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1988 Interim Report

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One of EPA's priorities is to determine the extent of pesticides occurring in the nation's ground water. The Pesticides in Ground Water Data Base was developed to compile the results from monitoring studies conducted by pesticide registrants, universities, and government agencies. The data base identifies the pesticides that have been looked for in ground water, the areas that have been monitored, and the pesticides that have been detected. An important component in the development of the data base is the data confirmation program which involves contacting the director or responsible agent for each study in order to document and assess the sample collection and analysis procedures used in the study. This report outlines the development of the data base, the data confirmation program, and how the data base will be used by EPA to support the registration process for pesticides. The report attempts to segregate the results according to the quality of the study and the origin of contamination (i.e., point source origins vs leaching through the soil following applications in accordance with registration). The report is an interim report in that the data confirmation program continues and new data is added to it daily.

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United States Environmental Protection Agency
Office of Pesticide Programs
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1.0 EXECUTIVE SUMMARY

Background

One of EPA's priorities is to determine the extent of pesticides occurring in the nation's ground water. While many individual, localized ground-water monitoring studies have been conducted across the country, there has been no comprehensive compilation of these results. In response to this, the U.S. Environmental Protection Agency, Office of Pesticide Programs, has developed the Pesticides in Ground Water Data Base. The data base contains information derived from monitoring studies conducted by pesticide registrants, universities, and government agencies. The data base identifies the pesticides that have been looked for in ground water, the areas that have been monitored, and the pesticides that have been detected. The data base was developed in the first quarter of 1988, and at the same time, a public docket was established so interested parties could have access to the source information.

Following the development of the data base, the Agency has been conducting a program to assess the validity of the information it contains. The program involves contacting the author or director of each monitoring study and requesting that they review and confirm our interpretation of the information. The authors are being requested to identify the source of contamination for each reported detection and document the laboratory analytical methodology used to quantify the results. At this time, we believe we have gathered sufficient information to provide the public with an interim report on the national status of pesticide residues in ground water.

Results

To incorporate the scientific rigor and quality assurance we have instilled in this program, the results are presented in several categories based on the confidence we have in the information. Many of the reported detections have not been confirmed, and some of the contamination is from unknown sources. However, we consider all of this information important, and have segregated the data accordingly.

We have tried to distinguish point-source contamination from pesticide occurrence in ground water resulting from leaching through the soil profile following normal agricultural applications. In general, point-source pollution refers to water pollution caused by discharges into receiving waters from the end of pipelines, localized spills, or other identifiable "points". We have broadened this definition in presenting our results to include documented misuse (i.e., use on a crop or in areas for which it is not registered) as well as conventional point sources such as spills or well contamination by direct channelling.

Each entry in the data base has been assigned a rating reflecting the quality or confidence in the results. Studies that have been conducted under sound documented protocols where the results have been confirmed by acceptable analytical techniques are assigned the highest rating of confirmation. Lower ratings are assigned to studies in which the protocols are less poorly documented and analytical confirmations are less reliable.

A total of six categories have been designed to present the results, but three categories are given particular attention. Category 2 includes all information collected to date - excluding data known to be of poor quality and data that is from known point-source contamination. Category 5 includes information that has been derived from scientifically confirmed studies where the contamination is attributed solely to normal agricultural use. Category 6 includes confirmed information attributed solely to known point sources or documented misuse. The results from these categories are given below:

Category	Number of Pesticides Detected	Number of States with Detections
2. All data excluding data of known poor quality and known point sources or misuse	74	38
5. Confirmed data attributed to normal agricultural use	46	26
6. Confirmed data attributed to point sources or misuse	32	12

The results from categories 2 and 5 are depicted on a map of the United States in Figure 1-1. Table 1-1 presents a summary of pesticides that have confirmed detections in ground water attributed to normal agricultural use (category 5) and point sources or documented misuse (category 6). This table also illustrates whether the pesticide has been included as an analyte in the National Pesticide Survey, the number of states in which each pesticide has been detected, the range of concentrations detected, and the proposed EPA Health Advisory for the pesticide.

Because many of the studies in category 2 have not yet been confirmed and the unknown sources may be the result of normal agricultural practices, we believe that the precise representation of the national status of pesticide residues in ground water as a result of normal agricultural application is greater than category 5. It is important to note, however, that one or two detections of a pesticide at trace levels, does not indicate a problem in itself. However, a particular pesticide detected at numerous locations at concentrations equal to or greater than Health Advisory levels is reason for concern. For this reason, it is critical to look at both the frequency of detections and their concentrations, and how those concentrations compare to established and proposed health numbers for a specific pesticide before drawing conclusions on the severity of the problem.

Caveats on Using the Data Base

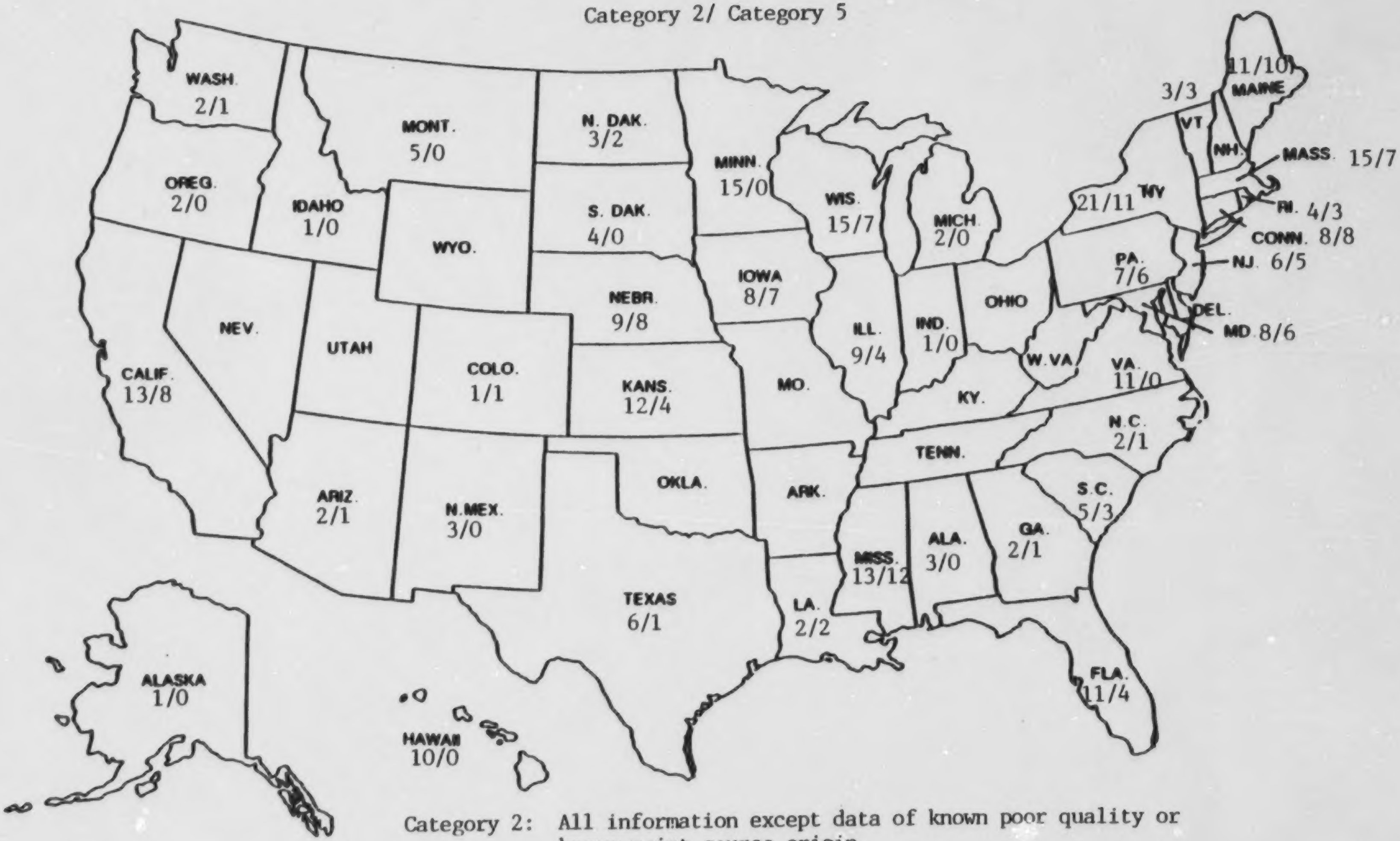
There are dangers in trying to use Figure 1-1 to indicate the statistical significance of the problem on a national level. Many of the studies were only designed to sample vulnerable ground water or to investigate suspected problems, while other studies were designed to be statistically unbiased. It is important to note that the studies have not been limited to drinking water supplies and some studies have sampled many types of wells including wells used only for observation or irrigation. Many of the studies have concentrated on shallow ground water which may not be representative of the drinking water sources of the area. As such, the results cannot be used to estimate human exposure to pesticides in drinking water.

Pinpointing the source of pesticide contamination is perhaps the most

FIGURE 1-1

Numbers of Pesticides Found in Ground Water As a Result of Agricultural Practice

Category 2/ Category 5


WASH. 2/1
OREG. 2/0
CALIF. 13/8
IDAHO 1/0
NEV.
MONT. 5/0
WYO.
UTAH
ARIZ. 2/1
COLO. 1/1
N.MEX. 3/0
N. DAK. 3/2
S. DAK. 4/0
NEBR. 9/8
KANS. 12/4
OKLA.
TEXAS 6/1
MINN. 15/0
IOWA 8/7
MO.
ARK.
LA. 2/2
WIS. 15/7
ILL. 9/4
MISS. 13/12
MICH. 2/0
IND. 1/0
KY.
TENN.
ALA. 3/0
OHIO
GA. 2/1
FLA. 11/4
W.VA.
VA. 11/0
N.C. 2/1
S.C. 5/3
PA. 7/6
NY 21/11
VT 3/3
NH
MAINE 11/10
MASS. 15/7
RI. 4/3
CONN. 8/8
NJ. 6/5
DEL.
MD. 8/6
ALASKA 1/0
HAWAII 10/0

Category 2: All information except data of known poor quality or known point source origin.
Category 5: Only confirmed data attributed to agricultural uses.

TABLE 1-1
Confirmed Detections of Pesticides in Ground Water

Chemical Name	Cancelled or Severely Restricted	Analyte in NPS **	Health Advisory Level *** (ppb)	Normal Use			Point Source
				States with Detects	Maximum Concen. (ppb)	Median Concen.**** (ppb)	States with Detects
1,2-D	Y	Y	0.0013 *	4	550.00	4.50	
1,3-D		Y	0.20 *	1	270.00	123.00	1
2,4,5-T	Y	Y	21				1
2,4-D		Y	70	2	49.50	1.40	1
2,4-DB		Y					1
Alachlor		Y	1.5 *	12	113.00	0.90	7
Aldicarb		Y	10	7	315.00	9.00	
Aldrin		Y		2	0.10	0.10	
Arsenic	Y			1	N/A	N/A	1
Atraton		Y		1	0.10	0.10	
Atrazine		Y	3.0	13	40.00	0.50	7
BHC	Y	Y		1	4.30	2.70	1
Bromacil		Y	80	2	22.00	9.00	1
Carbofuran		Y	36	3	176.00	5.30	
Chlordane	Y	Y	0.03 *	1	1.80	1.70	1
Chlorothalonil		Y	1.5 *	2	12.60	0.02	1
Cyanazine		Y	9.0	6	7.00	0.40	1
DBCP	Y	Y	0.02 *	2	0.02	0.01	
DDT	Y	Y		3	402.00	1.70	1
Dacthal		Y	3500	1	1039.00	109.00	
Diazinon		Y	0.63	1	478.00	162.00	1
Dicamba		Y	9.0	2	1.10	0.60	1
Dieldrin	Y	Y	0.00219 *	2	0.02	0.02	1
Dinoseb	Y	Y	7.0	3	36.70	0.70	
Diuron		Y	14	1	N/A	N/A	
EDB	Y	Y	0.0005 *	6	14.00	0.90	1
Endosulfan		Y		1	0.40	0.30	1
Endrin	Y	Y	0.032				1
Ethoprop		Y		1	12.60	N/A	
Fonofos			14	2	0.90	0.10	
Heptachlor	Y	Y	0.076 *				1
Hexazinone		Y	210	1	9.00	8.00	
Lindane	Y	Y	0.026 *	3	47.00	0.10	1
Linuron		Y		1	2.70	1.90	
Malathion				1	53.00	41.50	1
Methamidophos				1	10.50	4.80	
Methomyl		Y	175	1	9.00	N/A	
Methyl parathion		Y	2.0	1	256.00	88.40	1
Metolachlor		Y	10	5	32.30	0.40	5
Metribuzin		Y	175	4	6.80	0.60	1
Oxamyl		Y	175	3	395.00	4.30	

TABLE 1-1
Confirmed Detections of Pesticides in Ground Water
(continued)

				Normal Use			Point Source
Chemical Name	Cancelled or Severely Restricted	Analyte in NPS **	Health Advisory Level *** (ppb)	States with Detects	Maximum Concen. (ppb)	Median Concen.**** (ppb)	States with Detects
PCNB							1
PCP		Y	220				1
Parathion				1	0.04	0.03	
Picloram		Y	490	3	49.00	1.40	1
Prometon		Y	100	1	29.60	16.60	
Propazine		Y	14	2	0.20	0.20	1
Silvex	Y	Y	52				1
Simazine		Y	35	7	9.10	0.30	
Sulprofos				1	1.40	1.40	
TDE	Y	Y	0.031	1	6.20	4.80	
Toxaphene	Y			1	4910.00	3205.00	
Triallate							1
Trifluralin		Y	2.0	4	2.20	0.40	1

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* Lifetime exposure levels based on a 10-6 risk of causing cancer.

** National Pesticide Survey

*** Proposed Lifetime Health Advisory Level

**** Median of the concentration of positive detections for all confirmed studies. If a particular chemical does not list multiple studies, then the single study average is given. If the data base reports a single positive well, than the average concentration reported for that well is given.

difficult parameter to confirm in the data base. Contamination can result from causes other than leaching through the soil profile following normal field applications. These causes include: improper pesticide disposal, accidental spills, rinsate from equipment maintenance, human error in mixing, intentional excess applications, back siphoning into a well during chemigation, or direct channelling of pesticides through poorly constructed or damaged wells. It is difficult to conclude with confidence that ground-water contamination is the result of leaching from normal agricultural use, unless the above factors can be excluded.

Use of the Data Base by EPA

The data base will be used by the Agency to supplement the regulatory process for pesticides. It is being used to target pesticides that are contaminating ground water and establish priority candidates for regulation to mitigate such problems. The data base is being used to help identify the migration pathways and environmental factors associated with contamination which are the first steps in developing mitigation strategies. It will also be used to highlight vulnerable areas for which reduced applications or other restrictions may be warranted, and to depict data gaps where additional monitoring should be conducted. In addition, the data base can be used in support of the reregistration of a pesticide for which ground-water contamination has not been shown to be a problem. The importance given to the data base in these functions will increase as the data base evolves.

With over 50 percent of the nation's population relying on ground water for their drinking water source, we cannot underestimate the seriousness of pesticides occurring in ground water. To address this problem, the Agency has many additional ongoing programs. EPA has developed an Agricultural Chemicals in Ground Water Strategy to delineate the appropriate federal and state roles and minimize the risk for future ground-water contamination. In addition, the National Pesticide Survey is being conducted to sample drinking water wells throughout the country to statistically assess the occurrence and levels of pesticides in drinking water wells. This type of statistically designed study is more appropriate for assessing human exposure to pesticides in drinking water than the Pesticides in Ground Water Data Base. As part of the National

Pesticide Survey, Health Advisory levels have been developed for 62 pesticides. The Agency has also developed a ground-water training module to educate certified applicators about preventing ground-water contamination. Ground-water monitoring studies are being required of registrants for the initial registration of chemicals and the reregistration of existing pesticides whose physicochemical properties indicate that they may persist in the environment and are likely to leach to ground water. For some pesticides, these programs have resulted in cancellations or voluntary withdrawals, the denial of new registrations and reregistrations, label statements to restrict application rates, restrictions on use in vulnerable areas, designation as a restricted-use pesticide, or Special Reviews (e.g., aldicarb).

2.0 INTRODUCTION

2.1 Background

Prior to the late 1970's, ground-water contamination from field-applied pesticides was almost entirely unexpected - primarily because soils were thought to behave as natural filters, and pesticides were assumed to degrade or volatilize rapidly. The discovery of aldicarb in 96 wells on Long Island (in 1979) and DBCP in over 2000 wells in California (from 1979-1982) focused attention on pesticides used in agriculture as potential ground-water contaminants. By the early 1980's, several incidents of ground-water contamination resulting from the field application of pesticides had been confirmed. Since then, increasing numbers of pesticides have been detected in ground water in an increasing number of states (Cohen, et. al, 1984; Cohen, et. al, 1986; and Holden, 1986). In 1987, the U.S. Environmental Protection Agency documented 19 pesticides occurring in ground water from 24 states attributed to agricultural practices (EPA/OPTS, 1987).

2.2 Pesticides in Ground Water Data Base

Many localized, individual ground-water monitoring studies for pesticides have since been conducted across the country; however, there has been no comprehensive compilation of these results to assess the nature and scope of pesticide residues in ground water. In response to this, the Environmental Protection Agency, Office of Pesticide Programs, Environmental Fate & Effects Division has developed the Pesticides in Ground Water Data Base. The data base contains the results of monitoring studies conducted by federal and state agencies, chemical manufacturers, and universities. These results have been obtained from published literature and through direct correspondence to the Agency. The data base identifies the pesticides that have been looked for in ground water, the areas that have been monitored, and the pesticides that have been detected. It has not been the intent of the data base to maintain a record of every sample that has been collected and analyzed for pesticide residues. The data base represents summary results (e.g., number of wells sampled, number of positive wells found, and the ranges of concentrations) for monitoring studies that have been conducted. To the extent possible, these results are itemized down to the county level and by origin of contamination (e.g., point source vs. leaching due to agricultural application). The data base was developed in the first quarter of 1988, and at the same time, a public docket, containing the original source of information for every entry in the data base, was established so interested parties could have access to the information. The following contact is given for additional information on the public docket:

United States Environmental Protection Agency
Office of Pesticides Program
Field Operations Division (TS-787C)
Public Docket & Freedom of Information Section
401 M Street, S.W.
Washington, DC 20460

Telephone: (703) 557-2805

The data has been obtained from many different studies that have not been conducted under a single standardized protocol. In order to minimize the misuse of poor quality data, the Agency has been conducting a program to assess the validity of the information in the data base. This program includes contacting the author or director of each monitoring study to request that they confirm our interpretation of their data, fill in missing information, and document the laboratory analytical methodology used to quantify the results.

A status report on pesticides in the nation's ground water is presented in the following sections. Section 3 presents assessments made from the data base. Included in Section 3 are summaries of the number of pesticides found in ground water and the number of states in which they have been detected. Additional results are presented for data that has been confirmed to date. Conclusions are given in Section 4 along with appropriate caveats for using the data. This section discusses how the Agency will be using this data in the future. References are contained in Section 5, and background information on both the data base structure and the data confirmation program are given in Appendix A. Data listings and other summary tables are included in Appendices B through F.

3.0 ASSESSMENTS WITH THE DATA BASE

3.1 Assessment Categories

Over 70 different pesticides have been reported in ground water in nearly 40 states; however, many of the reported detections have not been confirmed, and some of the contamination has resulted from unknown sources. The results are presented in six categories in order to differentiate normal agricultural use from point-source contamination and to reflect the confidence we have in the information. The results range from assessments based on all data in the data base to assessments that only include data that has been confirmed and attributed to a single source of contamination. The categories are presented and defined in Table 3-1.

Three of the categories are given particular attention. Category 2 includes all information collected to date, except data known to be of poor quality or data where the contamination has been documented as being due to point sources or some mechanism other than field leaching due to agricultural application. Category 5 includes information that has been derived from scientifically confirmed studies where the origin of contamination is attributed solely to normal agricultural use. Category 6 includes information confirmed from studies where the contamination is attributed solely to known point sources, direct well channelling, or uses in a manner for which they have not been registered (i.e., misuse).

3.2 Overall Results

An inventory of pesticides that have been detected in ground water from these six categories is presented in Table 3-2. The table indicates the number of pesticides that have been found in ground water and the number of states in which pesticides have been found. These summaries are expanded in Tables 3-3 and 3-4. Table 3-3 illustrates the number of pesticides that have been reported in ground water for each state. Table 3-4 presents the number of states in which each pesticide has been detected. Table 3-4 also footnotes which of the pesticides have been cancelled or have had their use severely

TABLE 3-1
Categories Used for Assessments

CATEGORY	DESCRIPTION	CODE	INCLUDES	EXCLUDES
1	All data	Origin: Confirm:	All 0-5	None None
2	All data except suspected point sources or known poor quality.	Origin: Confirm:	NFU,SFU,N/A 0-3	PS,SPS,DC,SDC 4-5
3	Suspected field use data excluding known poor quality.	Origin: Confirm:	NFU,SFU 0-3	PS,SPS,DC,SDC,N/A 4-5
4	Confirmed, quality data of unknown or suspected field use origin.	Origin: Confirm:	NFU,SFU,N/A 1,2	PS,SPS,DC,SDC 0,3-5
5	Confirmed, quality data of known or suspected field use origin.	Origin: Confirm:	NFU,SFU 1,2	PS,SPS,DC,SDC,N/A 0,3-5
6	Confirmed, quality data of known or suspected point source origin.	Origin: Confirm:	PS,SPS,DC,SDC 1,2	NFU,SFU,N/A 0,3-5

Origin of Contamination Codes

NFU	Known normal field use
SFU	Suspected normal field use
PS	Known point source
SPS	Suspected point source
DC	Direct channeling
SDC	Suspected direct channeling
N/A	Unknown origin

Confirmation Rating

1 - 5 in which "1" is very confident, subsequently "5" is poor quality data. A code of "0" indicates that the confirmation has not been completed.

TABLE 3-2
Current National Assessments of Pesticides in Ground Water

Category	Description	No. of Pesticides Detected	No. of States with Detected Pesticides
1	All data	77	39
2	All data except suspected point sources or known poor quality.	74	38
3	Suspected field use data excluding known poor quality.	65	36
4	Confirmed, quality data of unknown or suspected field use origin.	52	27
5	Confirmed, quality data of known or suspected field use origin.	46	26
6	Confirmed, quality data of known or suspected point source origin.	32	12

TABLE 3-3
Number of Pesticides Detected in Ground Water in each State

STATE	CATEGORIES 1	 2	 3	 4	 5	 6
Alaska	1	1	1	0	0	0
Alabama	3	3	3	0	0	0
Arkansas	3	0	0	0	0	3
Arizona	3	2	2	1	1	0
California	13	13	13	≥8	8	5
Colorado	1	1	1	1	1	0
Connecticut	8	8	8	8	8	0
Florida	14	11	11	4	4	1
Georgia	2	2	2	1	1	0
Hawaii	10	10	3	0	0	0
Iowa	13	8	7	7	7	0
Idaho	15	1	1	0	0	14
Illinois	17	9	9	4	4	0
Indiana	1	1	0	0	0	0
Kansas	14	12	4	12	4	7
Louisiana	2	2	2	2	2	0
Massachusetts	15	15	15	7	7	0
Maryland	8	8	8	6	6	0
Maine	12	11	10	11	10	0
Michigan	2	2	2	0	0	0
Minnesota	15	15	0	15	0	0
Mississippi	13	13	12	13	12	0
Montana	5	5	5	0	0	0
North Carolina	3	2	1	1	1	0
North Dakota	4	3	3	2	2	2
Nebraska	9	9	9	8	8	2
New Jersey	6	6	6	5	5	0
New Mexico	3	3	3	0	0	0
New York	24	21	11	11	11	4
Oregon	2	2	2	0	0	0
Pennsylvania	7	7	7	6	6	2
Rhode Island	4	4	3	3	3	0
South Carolina	5	5	4	4	3	0
South Dakota	4	4	4	0	0	0
Texas	9	6	4	2	1	3
Virginia	12	11	11	0	0	0
Vermont	4	3	3	3	3	2
Washington	2	2	2	1	1	1
Wisconsin	18	15	10	7	7	0

TABLE 3-4
Number of States in which each Pesticide has been Detected

	CATEGORY					
CHEMICAL	1	2	3	4	5	6
1,2-D [1,3]	6	6	5	4	4	0
1,3-D [2]	3	2	1	1	1	1
2,4,5-T [3]	4	3	1	2	0	1
2,4-D	13	10	7	4	2	1
2,4-DB	1	0	0	0	0	1
Alachlor [2]	19	18	15	13	12	7
Aldicarb [1]	22	22	21	8	7	0
Aldrin	5	4	3	2	2	0
Ametryn	1	1	0	0	0	0
Arsenic [3]	1	1	1	1	1	1
Atraton	1	1	1	1	1	0
Atrazine [1]	22	19	17	15	13	6
Azinphos-methyl	1	1	1	0	0	0
BHC [3]	3	2	2	1	1	1
Benomyl	1	1	1	0	0	0
Bromacil [1]	3	3	2	3	2	1
Butylate	1	1	0	0	0	0
Carbaryl	3	2	0	0	0	0
Carbofuran	7	6	6	3	3	0
Chloramben	1	1	0	0	0	0
Chlordane [3]	6	3	2	2	1	1
Chlorothalonil [2]	4	3	3	2	2	1
Chlorpyrifos	2	1	1	0	0	0
Cryolite	1	1	0	0	0	0
Cyanazine	10	8	6	7	6	1
DBCP [1,3]	6	5	3	3	2	0
DDT [3]	7	5	5	3	3	1
Dacthal	4	4	3	1	1	0
Diazinon [2]	3	1	1	1	1	1
Dicamba	9	6	4	4	2	1
Dieldrin [3]	7	5	4	3	2	1
Dimethoate	1	1	1	0	0	0
Dinoseb [3]	4	4	4	3	3	0
Disulfoton	1	1	1	0	0	0
Diuron [1]	2	2	2	1	1	0
EDB [1,3]	10	8	7	6	6	1
EPTC	2	2	0	1	0	0
Endosulfan	5	3	2	1	1	1
Endrin [2,3]	2	1	1	0	0	1
Ethoprop	1	1	1	1	1	0

TABLE 3-4
Number of States in which each Pesticide has been Detected
(continued)

	CATEGORY					
CHEMICAL	1	2	3	4	5	6
Fonofos	2	2	2	2	2	0
Glyphosate	1	1	1	0	0	0
Heptachlor [3]	5	3	2	1	0	1
Hexazinone	2	2	1	1	1	0
Isofenphos	1	1	1	0	0	0
Lindane	8	6	5	3	3	1
Linuron	2	2	2	1	1	0
MCPA	2	2	1	1	0	0
Malathion	2	1	1	1	1	1
Metalaxyl	2	2	1	0	0	0
Methamidophos	1	1	1	1	1	0
Methomyl	2	2	2	1	1	0
Methyl parathion	3	2	2	1	1	1
Metolachlor	11	7	5	7	5	5
Metribuzin	6	6	5	6	5	1
Molinate	1	1	1	0	0	0
Naled	2	1	0	0	0	0
Oxamyl	3	3	3	3	3	0
PCNB	1	0	0	0	0	1
Paraquat	1	1	0	0	0	0
Parathion	1	1	1	1	1	0
Pentachlorophenol	4	3	1	2	0	1
Phosmet	1	1	1	0	0	0
Picloram	8	8	5	5	3	1
Prometon	2	2	2	1	1	0
Propachlor	2	2	1	1	0	0
Propazine	3	2	2	2	2	1
Silvex [3]	2	1	1	0	0	1
Simazine [1]	13	12	10	8	7	0
Sulprofos	1	1	1	1	1	0
TCP	1	1	1	0	0	0
TDE	1	1	1	1	1	0
Tebuthiuron	1	1	1	0	0	0
Terbufos	1	0	0	0	0	0
Toxaphene [3]	1	1	1	1	1	0
Triallate	1	0	1	0	0	1
Trifluralin	6	5	5	4	4	1

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[1] CDFA 1987 confirmed, normal field use
[2] CDFA 1987 confirmed, point source or illegal use
[3] Pesticides which have been cancelled or their use has been severely restricted.

restricted.

Table 3-5 presents a summary for pesticides that have been detected in ground water due to normal agricultural use (category 5), point sources or misuse (category 6), and unidentified sources. This table only incorporates data that has been confirmed by the Agency to date. The table identifies which pesticides have been confirmed, the states in which they have been found, and their maximum and "median" concentrations in ground water. In this table, the median concentration is represented as the median of the average concentrations from each study included in the category (where the average concentration is calculated as the mean of all positive detections in a study). If a single study comprises the category, the median concentration is represented by the average concentration for the study. If the category is comprised of a single well, than the average concentration for that well is given. The table also indicates the proposed Health Advisory level for the pesticide, whether it has been included as an analyte in the Agency's National Pesticide Survey, and whether the pesticide has been cancelled or severely restricted. The results from categories 2 and 5 are depicted on a map of the United States in Figure 3-1.

3.3 Comparisons to Previous Assessments

Table 3-6 compares the results of these six categories to several other recent assessments of pesticides in ground water in the United States. The first study presented (EPA/OPTS, 1987) is an update to earlier assessments presented by the Agency in 1984 and 1986 (Cohen et. al, 1984; Cohen et. al, 1986) before the data base was formalized. The second study (Parsons and Witt, 1988) was conducted at Oregon State University, Department of Agricultural Chemistry and presents the results of a mail-in survey with lead state agencies. The third study was conducted by the U.S. Public Information Research Group (U.S. PIRG) in the summer of 1988 using EPA's public docket (Hind and Evans, 1988). The results from these three studies are presented on maps of the United States in Figures 3-2 through 3-4, respectively.

Discrepancies between the assessments are based on the data available to the researchers at the time of the study and the method used in their data

TABLE 3-5
Confirmed Pesticides Detected in Ground Water Due to Agricultural Use and Point-Source Contamination

Chemical Name	Cancelled or Severely Restricted	Analyte in NPS **	Health Advisory Level *** (ppb)	Normal Use (Category 5)			Point Source (Category 6)			Unknown Origin		
				States with Detections	Maximum Concen. (ppb)	Median Concen.**** (ppb)	States with Detections	Maximum Concen. (ppb)	Median Concen.**** (ppb)	States with Detections	Maximum Concen. (ppb)	Median Concen.**** (ppb)
1,2-D	Y	Y	0.0013 *	CA CT MA NY	550.00	4.50				CT HI	290.00	5.30
1,3-D		Y	0.20 *	NY	270.00	123.00	CA	N/A	N/A			
2,4,5-T	Y	Y	21				TX	2.99	2.85	KS MN	1.10	0.65
2,4-D		Y	70	CT MS	49.50	1.40	ID	36.50	0.93	KS MN	22.00	1.05
2,4-DB		Y					TX	0.23	0.23			
Alachlor		Y	1.5 *	CT FL IA IL KS LA MA MD ME NE PA WI	113.00	0.90	AR CA FL KS NE NY PA	99.90	1.80	KS MN PA	4.03	0.55
Aldicarb		Y	10	CA FL MA NC NY RI WI	315.00	9.00				MN	30.60	9.00
Aldrin		Y		MS SC	0.10	0.10						
Arsenic	Y			TX	N/A	N/A	TX	585.00	N/A	TX	100.00	15.30
Atraton		Y		MD	0.10	0.10						
Atrazine		Y	3.0	CA CO CT IA IL KS MD ME NE NJ PA VT WI	40.00	0.50	AR KS NE NY PA VT WI	1500.00	4.35	KS NE PA TX	107.20	2.35
BHC	Y	Y		MS	4.30	2.70	ID	0.02	0.02			
Bromacil		Y	80	CA FL	22.00	9.00	KS	5.50	2.80	KS	17.00	2.80
Carbofuran		Y	36	MA NY RI	176.00	5.30						
Chlordane	Y	Y	0.03 *	MS	1.80	1.70	ID	0.04	0.04	KS	7.90	0.53
Chlorothalonil		Y	1.5 *	ME NY	12.60	0.02	CA	N/A	N/A			
Cyanazine		Y	9.0	IA LA MD NE PA VT	7.00	0.40	NY	1.00	1.00	MN	2.90	0.51
DBCP	Y	Y	0.02 *	CA AZ	0.02	0.01				SC	1.00	N/A
DDT	Y	Y		MS NJ SC	402.00	1.70	ID	0.76	0.02			
Dacthal		Y	3500	NY	1039.00	109.00						
Diazinon		Y	0.63	MS	478.00	162.00	CA	N/A	N/A			
Dicamba		Y	9.0	CT ME	1.10	0.60	ID	0.49	0.02	MN TX	0.88	0.66
Dieldrin	Y	Y	0.00219 *	NE NJ	0.02	0.02	ID	0.09	0.01	KS	0.26	0.18
Dinoseb	Y	Y	7.0	MA ME NY	36.70	0.70						
Diuron		Y	14	CA	N/A	N/A						
EDB	Y	Y	0.0005 *	CA CT GA MA NY WA	14.00	0.90	WA	5.70	0.82			
Endosulfan		Y		ME	0.40	0.30	KS	0.06	0.04			
Endrin	Y	Y	0.032				CA	N/A	N/A			
Ethoprop		Y		NY	12.60	N/A						
Fonofos			14	IA NE	0.90	0.10						
Heptachlor	Y	Y	0.076 *				ID	0.02	0.02	KS	0.03	0.03
Hexazinone		Y	210	ME	9.00	8.00						

TABLE 3-5
Confirmed Pesticides Detected in Ground Water Due to Agricultural Use and Point-Source Contamination (continued)

Chemical Name	Cancelled or Severely Restricted	Analyte in NPS **	Health Advisory Level *** (ppb)	Normal Use (Category 5) States with Detections	Normal Use (Category 5) Maximum Concen. (ppb)	Normal Use (Category 5) Median Concen.**** (ppb)	Point Source (Category 6) States with Detections	Point Source (Category 6) Maximum Concen. (ppb)	Point Source (Category 6) Median Concen.**** (ppb)	Unknown Origin States with Detections	Unknown Origin Maximum Concen. (ppb)	Unknown Origin Median Concen.**** (ppb)
Lindane	Y	Y	0.026 *	MS NJ SC	47.00	0.10	ID	0.08	0.08			
Linuron		Y		WI	2.70	1.90						
Malathion				MS	53.00	41.50	ID	5.20	0.03			
MCPA										MN	2.20	0.26
Methamidophos				ME	10.50	4.80						
Methomyl		Y	175	NY	9.00	N/A						
Methyl parathion		Y	2.0	MS	256.00	88.40	ID	0.01	0.01			
Metolachlor		Y	10	CT IA IL PA WI	32.30	0.40	AR KS NY TX VT	112.00	4.60	KS MN PA	48.00	0.61
Metribuzin		Y	175	IA IL KS WI	6.80	0.60	KS	2.10	1.14	KS MN	1.05	0.23
Oxamyl		Y	175	MA NY RI	395.00	4.30						
PCNB							ID	0.22	0.02			
PCP		Y	220				ID	0.05	0.01	MN MS	149.00	9.44
Parathion				ND	0.04	0.03						
Picloram		Y	490	ME ND WI	49.00	1.40	ND	3.56	0.40	KS MN ND	12.80	3.40
Prometon		Y	100	TX	29.60	16.60						
Propachlor										MN	0.50	0.35
Propazine		Y	14	NE PA	0.20	0.20	KS	2.50	N/A			
Silvex	Y	Y	52				ID	0.62	0.01			
Simazine		Y	35	CA CT MD NE NJ PA VT	9.10	0.30				MN PA	3.40	0.72
Sulprofos				IA	1.40	1.40						
TDE	Y	Y	0.031	MS	6.20	4.80						
Toxaphene	Y			MS	4910.00	3205.00						
Triallate							ID	0.13	0.01			
Trifluralin		Y	2.0	KS MD MS NE	2.20	0.40	ND	0.03	0.03	KS	5.40	3.09

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* Lifetime exposure levels based on a 10-6 risk of causing cancer.

** National Pesticide Survey

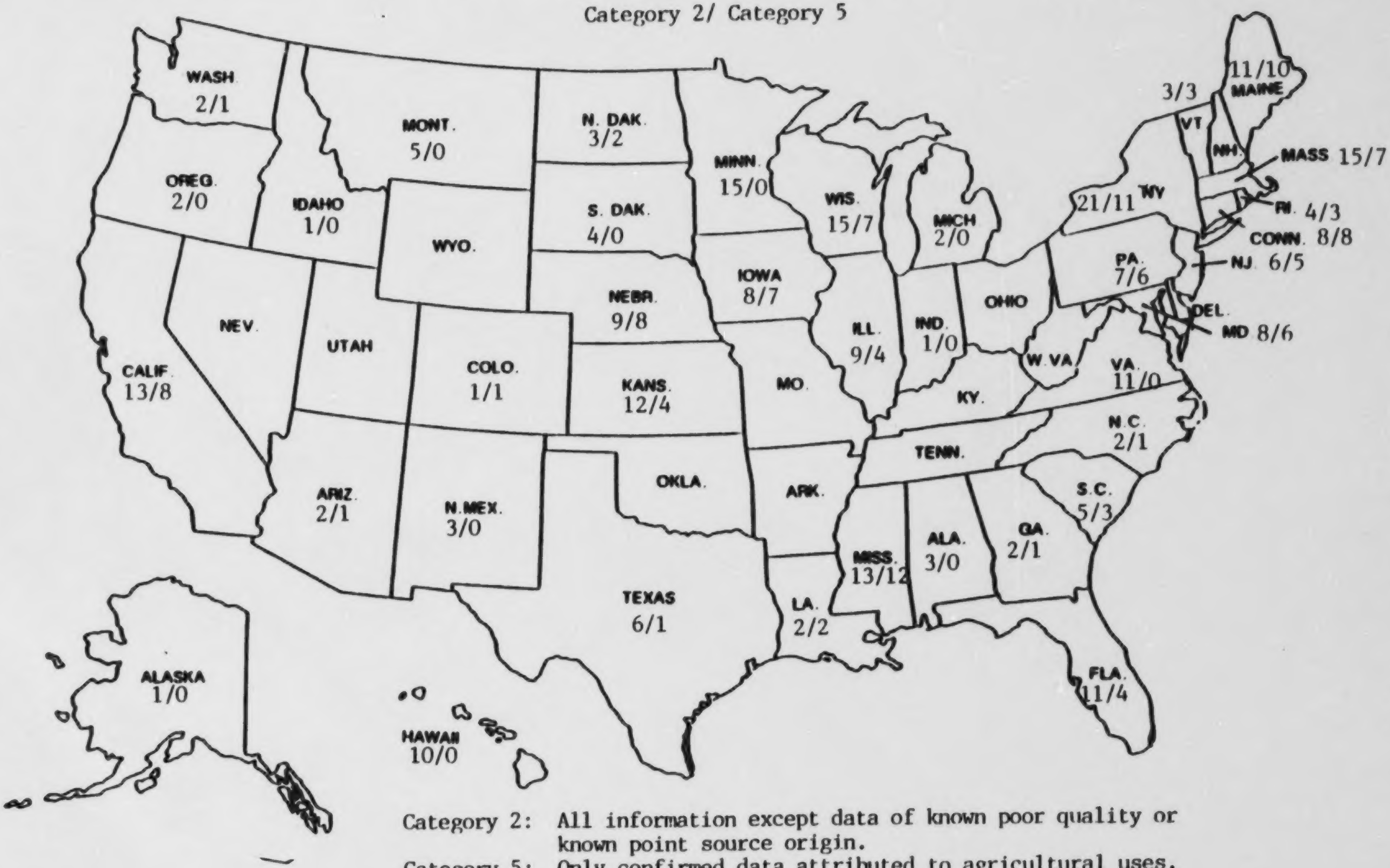
*** Proposed Lifetime Health Advisory Level

**** Median of the concentration of positive detections for all confirmed studies. If a particular chemical does not list multiple studies, then the single study average is given. If the data base reports a single positive well, than the average concentration reported for that well is given.

FIGURE 3-1

Numbers of Pesticides Found in Ground Water As a Result of Agricultural Practice

Category 2/ Category 5


WASH. 2/1
OREG. 2/0
CALIF. 13/8
NEV.
IDAHO 1/0
MONT. 5/0
WYO.
UTAH
ARIZ. 2/1
COLO. 1/1
N.MEX. 3/0
N. DAK. 3/2
S. DAK. 4/0
NEBR. 9/8
KANS. 12/4
OKLA.
TEXAS 6/1
MINN. 15/0
IOWA 8/7
MO.
ARK.
LA. 2/2
WIS. 15/7
ILL. 9/4
MICH 2/0
IND. 1/0
OHIO
KY.
TENN.
MISS. 13/12
ALA. 3/0
GA. 2/1
FLA. 11/4
S.C. 5/3
N.C. 2/1
VA. 11/0
W. VA.
PA. 7/6
NY 21/11
VT 3/3
NH
MAINE 11/10
MASS 15/7
RI. 4/3
CONN. 8/8
NJ. 6/5
DEL.
MD 8/6
ALASKA 1/0
HAWAII 10/0

Category 2: All information except data of known poor quality or known point source origin.
Category 5: Only confirmed data attributed to agricultural uses.

TABLE 3-6
National Assessments of Pesticides in Ground Water: Current vs Prior

PRIOR ASSESSMENTS

Source	No. of Pesticides Detected	No. of States with Detected Pesticides
EPA/OPTS (1987)	19	24
Parsons & Witt (1988)	67	33
U. S. PIRG (1988)	73	34

CURRENT ASSESSMENTS

Category	Description	No. of Pesticides Detected	No. of States with Detected Pesticides
1	All data	77	39
2	All data except suspected point sources or known poor quality.	74	38
3	Suspected field use data excluding known poor quality.	65	36
4	Confirmed, quality data of unknown or suspected field use origin.	52	27
5	Confirmed, quality data of known or suspected field use origin.	46	26
6	Confirmed, quality data of known or suspected point source origin.	32	12

FIGURE 3-2

Numbers of Pesticides Found in Ground Water As a Result of Agricultural Practice

(U.S. EPA/OPTS, 1987)

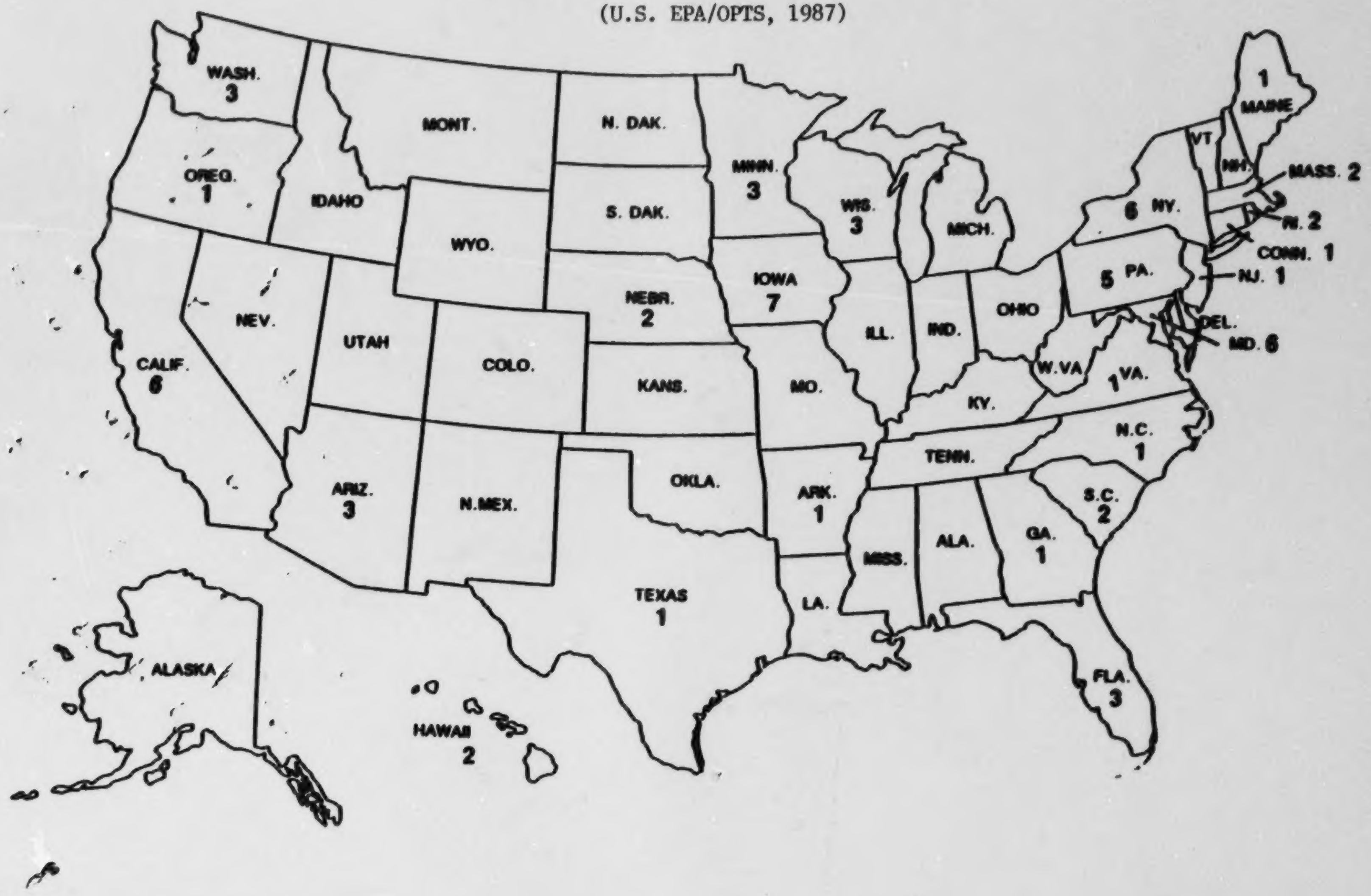

WASH. 3
OREG. 1
CALIF. 6
IDAHO
NEV.
MONT.
WYO.
UTAH
ARIZ. 3
COLO.
N.MEX.
N. DAK.
S. DAK.
NEBR. 2
KANS.
OKLA.
TEXAS 1
MINN. 3
IOWA 7
MO.
ARK. 1
LA.
WIS. 3
ILL.
MICH.
IND.
OHIO
KY.
TENN.
MISS.
ALA.
GA. 1
FLA. 3
S.C. 2
N.C. 1
VA. 1
W.VA
PA. 5
NY. 6
VT
NH.
MAINE 1
MASS. 2
RI. 2
CONN. 1
NJ. 1
DEL.
MD. 6
ALASKA
HAWAII 2

FIGURE 3-3

Numbers of Pesticides Found in Ground Water

(Parsons & Witt, 1988)

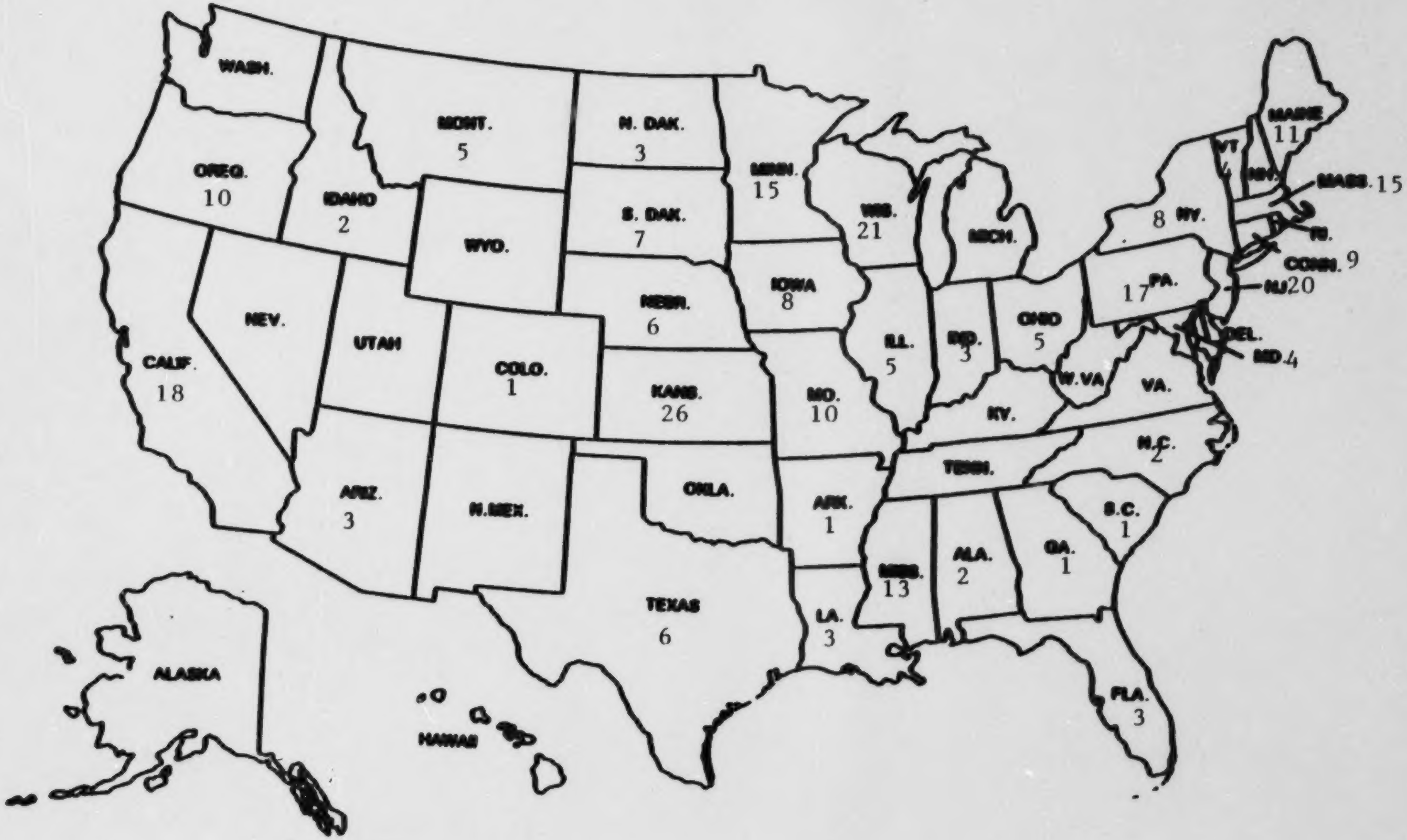
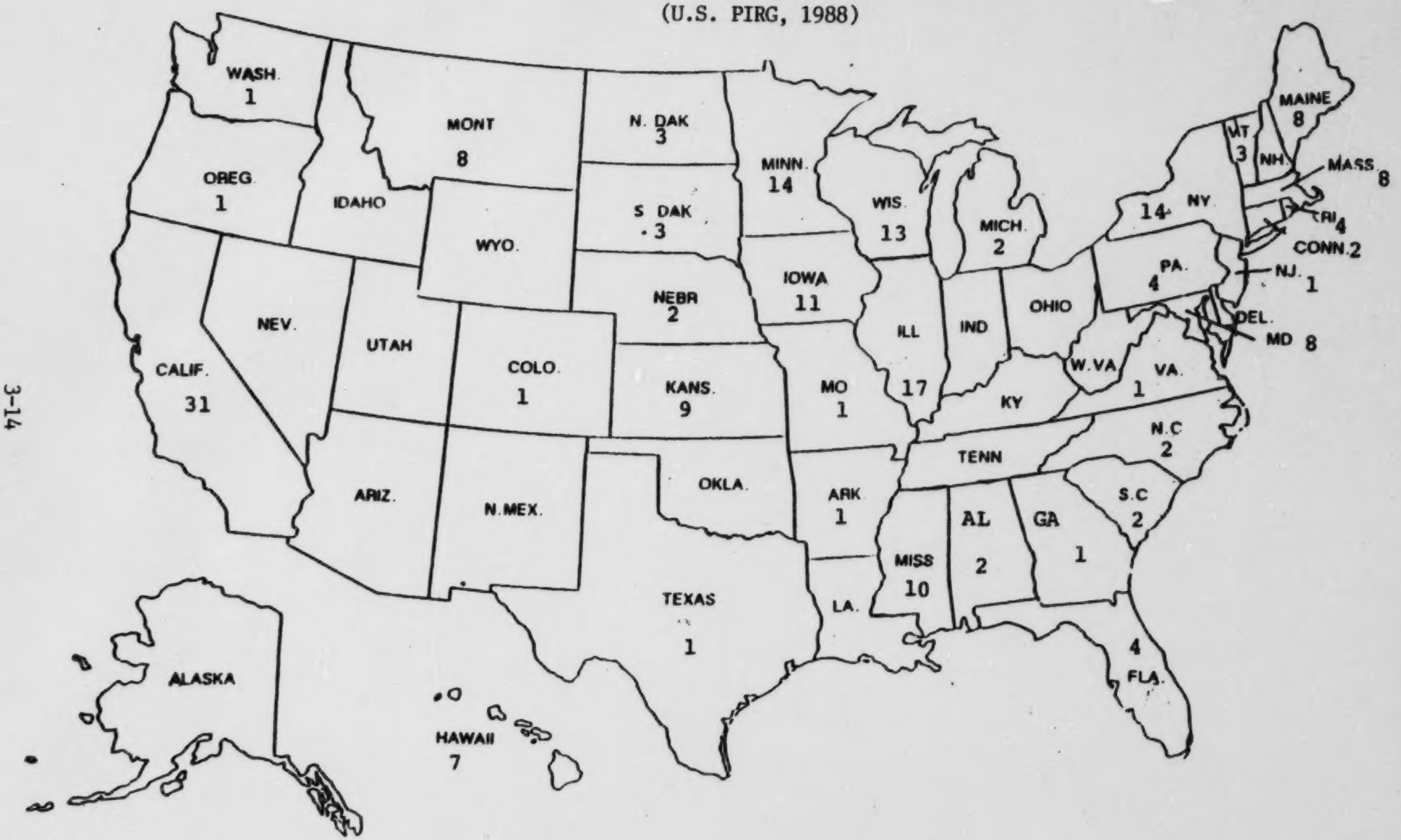

WASH.
OREG.
10
CALIF.
18
IDAHO
2
NEV.
MONT.
5
WYO.
UTAH
COLO.
1
ARIZ.
3
N.MEX.
N. DAK.
3
S. DAK.
7
NEBR.
6
KANS.
26
OKLA.
TEXAS
6
MINN.
15
IOWA
8
MO.
10
ARK.
1
LA.
3
WIS.
21
ILL.
5
MICH.
IND.
3
OHIO
5
KY.
TENN.
MISS.
13
ALA.
2
GA.
1
FLA.
3
S.C.
1
N.C.
2
VA.
W.VA
PA.
17
NY.
8
VT
NH.
MAINE
11
MASS.
15
RI.
CONN.
9
NJ
20
DEL.
MD.
4
ALASKA
HAWAII

FIGURE 3-4

Numbers of Pesticides Found in Ground Water As a Result of Agricultural Practice

(U.S. PIRG, 1988)


WASH. 1
OREG. 1
CALIF. 31
IDAHO
NEV.
MONT 8
WYO.
UTAH
ARIZ.
COLO. 1
N.MEX.
N. DAK 3
S DAK 3
NEBR 2
KANS. 9
OKLA.
TEXAS 1
MINN. 14
IOWA 11
MO 1
ARK 1
LA.
WIS. 13
ILL 17
MISS 10
MICH. 2
IND
KY
TENN
AL 2
OHIO
GA 1
FLA. 4
W.VA
VA. 1
N.C 2
S.C 2
PA. 4
NY. 14
VT 3
NH
MAINE 8
MASS. 8
RI 4
CONN. 2
NJ. 1
DEL.
MD 8
ALASKA
HAWAII 7

collection and interpretation. The assessment by the Agency shown in Figure 3-2 (EPA/OPTS, 1987) was based on a much smaller data base than the Agency currently has and incorporated a less formal system for confirming the data then is presently being used by the Agency. It is important to note that the 1987 assessment reveals data from states that are not currently in category 5. This information will most likely be incorporated into category 5 once the formal data confirmations are complete.

Differences between the current assessment (Figure 3-1) and that of Parsons and Witt (Figure 3-3) are primarily based on how the data was collected. Parsons and Witt based their study on a mail-in survey with lead state agencies. EPA's current assessment has endeavored to obtain data from additional agencies and sources, differentiate the data based on origin of contamination, and collect additional background information on the studies and the analytical technique used to quantify results. The report by Parsons and Witt has not been formally released at the time of this writing.

U.S. PIRG produced their report in September of 1988 using data from the public docket. During this time, EPA has acquired additional monitoring results and confirmations on many of the studies. Some of the data used by U.S. PIRG has been superceded by updated reports. Some of the detections credited as being caused by normal agricultural use have been verified as point-source contamination or the results of nonpesticidal use of chemicals. The report was generated in a short time frame and as a result, some chemicals have been counted twice and are represented by trade names as well as by their common names.

3.4 About the Appendices

The appendices include additional information on the data base. Appendix A outlines the structure and data elements and discusses the confirmation program. Appendix A also provides guidance on interpreting the tables in the subsequent appendices.

Appendices B and C can be used to identify the pesticides or states for each assessment category in Tables 3-1 through 3-6. Details on the detections can also be obtained here. Appendix B lists positive detections sorted by chemical and then by state. Appendix C presents the same data sorted by state and then by chemical. For each monitoring study reporting detections in ground water, these appendices present: (a) the suspected or known source of contamination, (b) the number of wells tested for each pesticide, (c) the number of positive wells found, (d) the number of samples taken, (e) the number of positive samples, (f) the range of concentrations of the positives, (g) the average of all positive concentrations, and (h) the confirmation rating assigned to the results. To the extent possible, the data in a study has been itemized by origin of contamination and has been segregated down to the county level.

Appendix D summarizes all data in the data base by chemical including studies for which no detections were noted. For each assessment category, the appendix includes: (a) total number of wells sampled, (b) the total number of positive wells, (c) the total number of samples taken, (d) the total number of positive samples, (e) the total number of states in which the chemical was sampled, (f) the number of states having positive detections, (g) the range of concentrations of all positive detections, and (h) the range of the average concentrations of the positives from the individual studies.

It is important to note that this data reflects an automated sort by computer, and as such certain anomalies in the parameters may require explanation. For example, if a particular author has presented his results by wells and not by samples, the study would not contribute to the sample totals presented in the appendix. As such, it is conceivable that the tables could present a larger number of wells than samples. Also, the tables only reflect totals for studies that are identified as belonging to each respective assessment category and the statistical population may not be accurately represented. For example, relating the number of positive wells for a chemical to the total number of wells sampled can be misleading. Therefore, each value in the appendix is not conclusive in itself and it is important that the appendix is used cautiously with this knowledge in mind.

Appendix E contains the bibliography for the studies in the data base. Comments relative to the studies and/or confirmation process are also included here. Appendix F presents the full listing for each study in the data base and is under separate cover.

It should be noted that each study in the data base is referenced by a five character identification code (e.g., "VT001" for Vermont study 001). This code can be used to track each study given in Appendices B and C. This code can be used to obtain the formal reference for the study from Appendix E and the full data base listing of the study from Appendix F. This code is also compatible with the filing system used in the public access docket.

4.0 CONCLUSIONS

4.1 Caveats on Using the Data Base

Agricultural pesticides have been found in domestic drinking water wells at levels of toxicological concern. Ground-water contamination caused by pesticides can be the result of many factors including: the physicochemical characteristics of the pesticide, frequency and rates of application, the hydrogeologic setting in which the chemical is used, the climatology of its use environment, and other agronomic practices.

Pinpointing the source of pesticide contamination is perhaps the most difficult parameter to confirm in the data base. Contamination can result from causes other than leaching due to normal field applications. These causes include: pesticide disposal, accidental spills, rinsate from equipment maintenance, human error in dilution, intentional excess applications, back siphoning into a well during chemigation, or direct channelling of pesticides through poorly constructed or damaged wells. It is difficult to conclude with confidence that an incident of ground-water contamination is attributed to leaching from normal agricultural use, unless the use histories near the site are known, and point sources are ruled out.

There are dangers in trying to use the data base to indicate the statistical significance of the problem on a national level. Most significantly is the fact that many agricultural areas have not been sampled and are not statistically represented in the data. In addition, data confirmations are not complete and many origins of contamination are unknown.

It is important to note that the studies in the data base have not been conducted and reported under a single standard protocol. The studies were designed and conducted by many different agencies for different purposes. Many of the studies were only designed to sample vulnerable ground water or to investigate suspected problems, while other studies were designed to be statistically unbiased. It is important to note that the studies have not been limited to drinking water supplies and the studies have sampled many types of wells including wells used only for observation or irrigation. Many

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of the studies have concentrated on shallow ground water which may not be representative of the drinking water sources of the area. Many of the detections represent one sampling point in time which cannot measure the persistence of a problem. As such, the results cannot be used to estimate human exposure to pesticides in drinking water from a national perspective.

Because the studies were not conducted and reported with the data base in mind, many of the data base elements have not been reported in the source documents. Many but not all of these data holes are being resolved through the data confirmation program. However, assessments made from the data base can be difficult or inconclusive. Statistics from the data base must be used carefully and with caution. For example, statistically derived parameters based on the positives attributed to normal field use are suspect if the origin of the majority of positives are not known. Similarly, the ratio of the number of well positives to the number of wells sampled cannot be determined reasonably if certain references include information on positives, but none on nondetections. Biases in the design of studies, and where they have been conducted to date, also influence statistical assessments.

For these reasons, derived parameters contained in the report and in the appendices should be treated as indicators rather than absolute values.

4.2 Major Data Gaps

There are approximately 130 reports entered in the data base (representing approximately 150 different monitoring studies). To date, 50 percent of these reports have been confirmed, and roughly 20 percent of all entries have unknown origins. This accounts for the range in values in categories 2 and 5. To date, nearly 70 percent of the reports incorporated into the data base by April 1988 have been confirmed.

Difficulties exist in undertaking this kind of a confirmation program. The Agency is at the mercy of the schedules, cooperation, and ability of each study director to confirm their results. Some studies cannot be confirmed because details on the study are not retained in records. Particular states for which significant data confirmations are pending include: Florida, Hawaii, Minnesota, New York, Virginia, and Wisconsin. Additional data gaps include the following:

- USGS observations wells. USGS routinely monitors for select pesticides in their ground-water quality monitoring network. These results are maintained in the Survey's WATSTORE data base and periodically transferred to EPA's STORET data base. The Survey adheres to a quality control program on data entered into WATSTORE. This data has not been given the highest priority in EPA's Pesticides in Ground Water Data Base primarily because the origin of contamination for detections are difficult to assess.

- Aldicarb. The confirmation for many of the aldicarb monitoring programs has not been completed. Many monitoring studies have been conducted for aldicarb in ground water from the late 1970's until the present and the volume of this data is overwhelming. This data accounts for several of the locations where pesticides have been detected in Figure 3-2 but not in category 5 of Figure 3-1.

  Rhone-Poulenc Ag. Company maintains a computerized data base on ground-water monitoring results from studies that they have conducted. Their studies have been limited to drinking water sources and the origin of positive detections have generally been attributed to nonpoint sources. We are coordinating Rhone-Poulenc to verify that the Agency's data is comprehensive and confirmed.

- Atrazine. Ciba-Geigy Corporation has developed a data base containing monitoring for atrazine in ground water. Their data base is attributing roughly 75 and 90 percent of detections of atrazine in ground water in the United States and Canada, respectively, to point-source origins. Ciba-Geigy is cooperating with the Agency to resolve discrepancies between both data bases.

- California. The California Department of Food and Agriculture (CDFA) has developed an excellent statewide well inventory and data base on pesticides in ground water. EPA is using this data base as the principal source for data in California. While their computer data base has not been fully merged into EPA's data base, the results presented herein have been obtained from published reports (Brown, et.al, 1986; Ames, et.al, 1987). Chemical names and information on the number of positive wells and samples have been obtained from the 1986 report, however, details on the concentrations were not documented in the report. Confirmed data attributed to agricultural and point source origins have been obtained from the 1987 report. Since many of the same wells sampled and reported in the 1987 update had been reported but not distinguished in the 1986 report, the 1987 data has not been entered into EPA's data base in order to avoid duplicating wells. Concentrations and total well counts will be obtained directly from CDFA's computer data base and incorporated into EPA's data base in the future.

4.3 Discussion on the Results

From the data received to date, the precise representation of pesticide residues in ground water, as a result of normal agricultural application, is probably greater than category 5. This is because many of the studies have yet to be confirmed and many of the unknown sources may have been caused by normal agricultural practices. In addition, many agricultural areas have not been sampled. Given the right conditions, nearly every chemical has the potential to leach to ground water. However, it is important to note that one or two detections of a pesticide at trace levels may not in and of themselves indicate a problem. But, a pesticide detected at numerous locations at concentrations equal to or greater than Health Advisory levels is reason for concern and further investigation. Therefore, it is critical to look at both the frequency of detections and their concentrations, and how those concentrations compare to established and proposed health numbers for a specific pesticide.

Table 3-5 illustrates that from normal use, 18 pesticides have been confirmed in ground water at levels equal to or above established or proposed Health Advisory levels. It is important to note that all of these pesticides are on the list of analytes being screened as part of the Agency's National Pesticide Survey.

From Table 3-6, it would appear that an increasing number of pesticides are contaminating ground water. However, Table 3-6 is better explained by the fact that more people are looking for pesticides in ground water and these results reflect increased monitoring efforts. Awareness of the issue has led to voluntary and mandatory restrictions of many of the more toxic, persistent, and mobile chemicals, such as DDT an DBCP. As illustrated in Table 3-5, seven of the pesticides having detections in excess of Health Advisory levels have either been cancelled or have had their use severely restricted.

4.4 Future Uses of the Data by EPA

The data base will be used by the Agency as a tool to supplement the pesticide registration process. It is currently being used to target pesticides that are contaminating ground water inorder to establish priority candidates for regulation to mitigate such problems. The data base is being used to help pinpoint the migration pathways and environmental factors associated with contamination which are the first steps in developing mitigation strategies. By overlaying pesticide monitoring results with pesticide use data and hydrogeoglogic factors, it will be possible to highlight vulnerable areas that are candidates for reduced or altered application and to depict data gaps where additional monitoring should be conducted. In addition, the data base can be used in support of the reregistration of a pesticide for which ground-water contamination has not been shown to be a problem.

The importance given to the data base to supplement the regulatory process will increase as the data base evolves. The data base is in a dynamic state of development; confirmations on the data presently entered in the data base continue and additional monitoring studies are received periodically. Many states and pesticide registrants have ongoing ground-water monitoring programs and other states and registrants are either implementing or expanding monitoring efforts. These studies will provide additional information on the sources and impacts of pesticide residues in ground water. The results and conclusions contained herein are interim and will be updated as further information is collected and processed.

5.0 REFERENCES

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Farm Chemicals Handbook, Meister Publishing Co., Willoughby Ohio, 1987.

Hind, Rick and Eliza Evans, "Pesticides in Ground Water: EPA Files Reveal Tip of Deadly Iceberg", U.S. Public Interest Research Group, September, 1988.

Holden, Patrick W., Pesticides and Groundwater Quality: Issues and Problems in Four States, National Academy Press, Washington, D.C., 1986.

Parsons, Douglas W. and James M. Witt, "Pesticides in Groundwater in the United States of America: A Report of a 1988 Survey of State Lead Agencies", Oregon State University, Department of Agricultural Chemistry, Corvallis Oregon, June 15, 1988 (Draft).

U.S. Environmental Protection Agency, Office of Pesticides and Toxic Substances, "Agricultural Chemicals in Ground Water: Proposed Pesticide Strategy", Washington, D.C., December 1987.

APPENDIX A

ADDITIONAL BACKGROUND INFORMATION

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APPENDIX A
PESTICIDES IN GROUND WATER DATA BASE

Background

The Pesticides in Ground Water Data Base is a compilation of ground-water monitoring efforts reported in the literature or obtained through direct correspondence to the Agency. The data base has been developed by the Ground-Water Section of the Office of Pesticide Programs, Environmental Fate & Effects Division, Environmental Fate & Ground-Water Branch (EFED/EFGWB).

Structurally, the data base consists of three data bases: 1) Bibliographical Data Base, 2) Study Area Data Base, and 3) Pesticide Monitoring Data Base. The Bibliographical Data Base contains information on the reference for bookkeeping purposes (e.g. reference identification number, author, date of publication, date entered into data base, etc.). Often publications will report the results from several monitoring studies. To the extent possible, separate studies or monitoring sites are distinguished in the Study Area (or Sub-reference) Data Base which contains site and study specific information on the sampling program (e.g., location, sampling period, etc.). The Pesticide Monitoring Data Base contains a summary of monitoring results for each pesticide in each study or sub-reference.

The data base is programmed under Ashton Tate's dBASE III Plus. A sample listing from the data base is given in Attachment A-1. Elements (data fields) of each data base are given below:

1. Bibliographical data base
   - Filing reference number
   - Date entered into data base
   - Principle author
   - Date of publication or reference
   - Confidentiality
   - Full reference
   - Additional comments

2. Study area / sub-reference database
   - Sub-reference number
   - State for which data is reported
   - County for which data is reported
   - Type of well monitored (e.g. domestic use, irrigation)
   - Period of sampling
   - Additional comments

3. Pesticide monitoring data base
   - Pesticide tested for
   - Suspected origin of pesticide (e.g., point source, normal use)
   - Number of wells tested / number of positive wells found
   - Number of samples tested / number of positive samples found
   - Lowest concentration found
   - Highest concentration found
   - Average concentration of positives
   - Confirmation code
   - Additional comments

Interpreting Data Base Listings

The following information can aid in interpreting the data in the data base.

- Data base codes are given in Attachment A-2.
- Pesticides are entered by common name pursuant to the Farm Chemicals Handbook (1987).
- Compounds presented as pesticides in the reference, but not identified as such in the Farm Chemicals Handbook have been included in the data base. These compounds are presently being verified.
- Some compounds (e.g., trichloroethylene) have uses in addition to agricultural uses, and when known, non-agricultural origins have not been included.
- Pesticide metabolites have been entered separately if the metabolite is common to more than one active ingredient and the source pesticide is not known.

Additional footnotes on the data base are given in Attachment A-3.

Caveats in Using the Data

All assessments made from the data base must be approached with the cautions inherent in the nature of the source documents. The monitoring studies have been conducted by numerous individuals and agencies and have not been exposed to a regimental protocol or consistent levels of quality control.

Specific notes or limitations of the data base are listed below:

- The reference sources have been subjected to manual screening in order to reduce data into the data base format.
- The data base does not represent a comprehensive assessment of ground water contamination by pesticides, nor does it claim to contain a comprehensive compilation of monitoring efforts. The data base contains ground-water monitoring results collected to date from federal and state agencies as well as universities and chemical manufacturers. The data base is in a developmental state and new studies are added to it daily.
- Many of the references in the data base are incomplete, or rather, not all elements of EFED/EFGWB's data base are contained in each reference. For example, a reference may report the number of positive findings of pesticides in a sampling program without an indication of the sampling arena (number of wells or number of samples taken). Quite often references will cite results by wells and not by samples or vice versa. Some references do not indicate the origin or suspected origin of the finding (e.g., normal use vs. point source). Other references do not specify the county in which the positive was found. Also, there can be overlap between

references that cannot be distinguished, and therefore, some data may be entered twice - erroneously but unknowingly.

- It is important to note that detected positives may not have been confirmed for all studies contained in the data base. Efforts are being taken to verify these entries.

Confirmation Program

To compensate for these limitations, EFED/EFGWB is conducting a program to assess the validity of the information in the data base. The program includes contacting the author or director of each monitoring study and requesting that they review and confirm the interpretation of the information from their particular study. Special emphasis is being given to pinpointing the origin of contamination of any postive detections water and the laboratory analytical technique used to quantify the results. The analytical questionnaire used in the confirmation program is given in Attachment A-4.

Each author or study director has been asked to complete the following:

1. Verify EPA interpretation of their report,
2. Fill in any missing information,
3. Complete the analytical confirmation questionnaire,
4. Provide an assessment of the quality of the data,
5. Inform whether same results are reported elsewhere in order to avoid duplication of results in the data base, and
6. Provide information on additional studies in their state in order to make the data base as comprehensive as possible.

The approach for conducting the confirmation program is as follows:

1. Make initial telephone contact to request assistance,
2. Send cover letter, data, and analytical questionnaire to author,
3. Place follow up calls as necessary to check status of request, and
4 Update the information in the computer after response.

ATTACHMENT A-1
SAMPLE DATA BASE LISTING

U.S. EPA/OPP PESTICIDES IN GROUND WATER DATA BASE

BIBLIOGRAPHICAL INFORMATION

Ref. Number	Full Reference	Comments
C0001	Miller, M.P., E.P. Savage, D.D. Adrian, M.J. Aaronson, T.J. Keefe, D.H. Hamar, and J.T. Tessari, "Groundwater Transport of the Herbicide Atrazine, Weld County, Colorado", Colorado State University Institute of Rural Environmental Health and Dept. of Pathology, and Louisiana State University Dept. of Civil Engineering, 1987.	Information confirmed by E. P. Savage, Colorado State University on August 9, 1988 with a telephone conversation with Douglas W. Parsons.

MONITORING STUDY/LOCATION INFORMATION

Ref. No.	Sub-Ref Number	State	County	Type of Well	Sampling Period	Comments
C0001	1	CO	Weld	OBS	07/85 - 11/85	Site conditions: irrigated corn.

PESTICIDE INFORMATION

Ref. No.	Pesticide	Sub Ref	State	County FIPS	Susp. Origin	Wells No.	Wells Pos.	Samples No	Samples Pos	Low (ppb)	High (ppb)	Mean (ppb)	Confirm Rating	Comments
C0001	Atrazine	1	CO	123	NFU	4	4	36	33	0.00	2.30	1.00	1	

ATTACHMENT A-2
DATA BASE CODES

- State names are specified according to the two-letter state and territorial abbreviations issued by the U.S. Postal Service.

- County names are entered by the Federal Information Processing System (FIPS) codes.

  A code of "B" in the County FIPS code indicates positives are not broken out by county and further explanation is given in the comment field of the Monitoring Study/Location data base. A code of "C" indicates that the county is explained in the comments of the Pesticide Information data base. If the "B" or "C" is preceded by a number, the number represents the number of counties surveyed.

- Origins of contamination are indicated by the following abbreviations:

  - NFU = known normal field use,
  - SFU = suspected field use,
  - PS = known point source,
  - SPS = suspected point source,
  - DC = known direct channelling to well (e.g., back siphon),
  - SDC = suspected direct channelling to well,
  - BOTH = suspected normal field use and suspected point source, and
  - N/A = origin not identified.

- The type of well is indicated by the following abbreviations:

  - DOM = private domestic well,
  - PWS = public water supply,
  - IRR = irrigation well,
  - LVS = livestock,
  - OBS = observation well,
  - IND = industrial use well, and
  - N/A = type of well not identified.

- Data confirmation is indicated by a code of 1 through 5 in which "1" is very confident, subsequently "5" is poor quality data. A code of "0" indicates that the confirmation has not yet been completed for that entry.

  Studies documenting superior quality control programs (e.g., sample handling, replicate samples, multiple laboratory analyses, analytical methods, second-column confirmation) are assigned a rating of "1". If the documentation on one or two points are weak, but otherwise adequate precautions are taken to ensure the validity of results, a code of "2" is assigned. Generally, if second column confirmations were unacceptable, studies were assigned ratings of "3", "4", or "5" depending on conditions used in obtaining results.

- Entries of "N/A" or "-9" indicate that the information is not known (for character and numeric fields, respectively).

ATTACHMENT A-3
DATA BASE FOOTNOTES

1) Pesticides are entered by common name pursuant to "Farm Chemicals Handbook". See partial list given below for chemicals with several most common names.

CHEMICAL	DATA BASE NAME
1,2-Dichloropropane	1,2-D
1,3-Dichloropropene	1,3-D
Dacthal	DCPA
DDD	TDE
DDVP	Dichlorvos
Eptam	EPTC
Ethylene dichloride	EDC
Ethylene dibromide	EDB
Ethylene thiourea	ETU
Folex	Merphos
gamma-BHC	Lindane
Guthion	Azinphos-methyl
Kepone	Chlordecone
Methiocarb	Mercaptodimethur
Parathion	Ethyl parathion
PCP	Pentachlorophenol
Tedion	Tetradifon
Telone	1,3-D
Trithion	Carbophenothion

2) Specific pesticides are not identified by monitoring study:

Bicep (atrazine/metolachlor mixture)
Carbamate screen
Chlorinated hydrocarbon screen
D-D (mixture of chlorinated hydrocarbons incl. 1,2-D and 1,3-D)
Dithiocarbamates
Organochlorine screen
Organophosphate screen
Triazine screen

3) Chemical may have uses other than pesticides and origin of positives are not identified. See list given below.

PESTICIDES W/ OTHER USES	DESCRIPTION
Arochlor (a PCB)	Transformer fluids, pesticide use to reduce vapor pressure
Benzene	Industrial solvent, degreaser, insect fumigant
Carbon tetrachloride	Industrial solvent, degreaser, insect fumigant
Creosote	Wood preservative

ATTACHMENT A-3
DATA BASE FOOTNOTES
(continued)

Ethyl alcohol	Doubtful normal field use
Ethylene dichloride	Industrial solvent, degreaser, insect fumigant
Formaldehyde	Doubtful normal field use. Seed treatment.
Hexachlorobenzene	Industrial solvent, degreaser, insect fumigant
Methylene chloride	Industrial solvent, degreaser, insect fumigant
2-Napthol	Normal field use questionable. Used as wood preservative for scabies in humans, and moth larvae in orchards on treated paper strips
PCB	Doubtful normal field use. Was used w/ pesticides to reduce vapor pressure.
Phthalates:	
Dibutyl (DBP)	Common contaminant from sampling tubing. Insect repellent.
Diethyl	Common contaminant from sampling tubing.
Dimethyl (DMP)	Common contaminant from sampling tubing. Insect repellent (discontinued).
Dioctyl (DOP)	Common contaminant from sampling tubing. Orchard acaricide.
Diphenyl (Biphenyl)	Common contaminant from sampling tubing. Fungicide.
Tetrachloroethylene	Industrial solvent, degreaser, insect fumigant, grain protectant.
Toluene	Organic solvent
1,1,1 Trichloroethane	Dry cleaning solvent, degreaser, fumigant.
Trichloroethylene	Industrial solvent, degreaser, insect fumigant, grain protectant.
Xylene	Pesticide solvent.

4. Particular metabolites have been referenced in studies. Where known, these have been listed by their parent and qualified in the comment field of the database. These include the following:

DEGRADATES	DATA BASE ENTRY
Aldicarb sulfoxide	Aldicarb
Aldicarb sulfone	Aldicarb

ATTACHMENT A-3
DATA BASE FOOTNOTES
(continued)

Chlorallyl alcohol	As degradate (parent unknown: 1,3-Dichloropropene, others)
2,4-Dichlobenzoic acid	As degradate (parent unknown: 2,4-D, others)
DDD	DDT
DDE	DDT
DDA	DDT
Diazoxon	Diazinon
Endrin aldehyde	Endrin
Endosulfan sulfate	Endosulfan
Ethyl paraoxon	Ethyl parathion
ETU	As degradate (parent unknown: Maneb, Mancozeb)
Fenamiphos sulfone	Fenamiphos
Fenamiphos sulfoxide	Fenamiphos
Heptachlor epoxide	Heptachlor
Malaoxon	Oxygen analog of Malathion
Methyl paraoxon	Methyl parathion
Molinate sulfoxide	Molinate
Thiobencarb sulfoxide	Thiobencarb

5) Chemicals have been identified as pesticides but are not included in the "Farm Chemicals Handbook" or the "Catalog of Pesticide Names and Their Synonyms". See list below.

CHEMICAL AS ENTERED IN DATABASE	EXPLANATION OR POSSIBLE CORRECTION
1-Napthol	2,Napthol or 1-Napthaleneactic acid?
CDED	Related to CDEA & CDEC herbicides?
Carbonphenoxon	Degradate of carbonphenothion?
Para-Nitrophenol	Doubtful pesticide use
Ronnoxon	Metabolite of Ronnel?
Nonachlor	Ingredient of chlordane
Oxychlordane	Metabolite of chlordane
PCN	PCNB?

ATTACHMENT A-4
DATA CONFIRMATION QUESTIONNAIRE

Quality Assurance Questionnaire for Pesticides in Ground Water

CONTACT INFORMATION

Name: ______________________________ Title: ______________

Organization: ______________________________

Street Address: ______________________________

City, State, Zip Code: ______________________________

Phone Number: ______________________________

REFERENCE INFORMATION

Principal Author: ______________________________

Publication Title: ______________________________

____

CONFIRMATION INFORMATION

A) Purpose of monitoring study: ______________________________

____

B) Sample Handling: (condition of storage and transport, time between collection and analysis of sample, etc.) ______________________________

____

____

C) Analytical Method: ______________________________

D) Detection Limit (range): ______________ S/N = ________ 99% ________

E) Reporting Limit (range): ______________________________

F) Range of Means of Recoveries: ______________________________

G) Coefficient of Variation of Method: ______________________________

H) Confirmation method: ______________________________

I) Were duplicate samples analyzed by another laboratory? YES or NO

J) If yes for I, were the results comparable? YES or NO

K) Was stability of the analytes under storage conditions determined?

____

L) If stability was determined, which analytes degraded significantly:

____

M) Have these results been reported in another study: ______________

N) How confident are you in the results, rating where 1 = Very Confident, subsequently 5 = No Confidence (please circle) 1 2 3 4 5

For EPA use only

Reference Number: ______________________________

APPENDIX B

POSITIVE ENTRIES SORTED BY CHEMICAL

```
PAGE  1                                                                          11/21/88

                              PESTICIDES IN GROUND WATER DATA BASE
                             POSITIVE DETECTIONS BY CHEMICAL BY STATE

-------------------------------------------------------------------------------------------------------
                                                WELLS       SAMPLES        CONCENTRATIONS (PPB)
STATE COUNTY REFERENCE  SUB-REF   ORIGIN     ----------   ----------   ---------------------------   CONFIRM
      FIPS   NUMBER     NUMBER               NO. / POS.   NO. / POS.   MINIMUM   MAXIMUM     MEAN     RATING
-------------------------------------------------------------------------------------------------------

CHEMICAL: 1,2-D
--------
  CA   B       CA001       1        NFU     3175 /  64   5122 / 316    -9.00     -9.00     -9.00        0
  CA   015     CA901       1        NFU       40 /  28    450 /  39     0.00     62.00     -9.00        0
  CA   049     CA901       3        NFU        9 /   1     -9 /  -9     0.40      0.60     -9.00        0
  CT   007     CT001       1        N/A        2 /   1      2 /   1     0.00      4.30      4.30        2
  CT   003     CT001       1        N/A       16 /   3     17 /   3     0.05     12.90      5.98        2
  CT   003     CT001       1        N/A        3 /   1      3 /   1     0.00      1.60      1.60        2
  CT   003     CT001       1        N/A        8 /   2     10 /   3    14.00    290.00    152.00        2
  CT   013     CT001       1        N/A       10 /   4     13 /   7     0.36     51.00     16.18        2
  CT   009     CT001       2        N/A        3 /   1      6 /   1     0.00      4.70      4.70        2
  CT   007     CT001       2        N/A        1 /   1      5 /   1     0.00     14.80     14.80        2
  CT   8B      CT002       1        SFU        2 /   1      2 /   1     0.00      1.30      1.30        1
  HI   N/A     HI003       3        N/A       -9 /   4     -9 /   4     0.64      1.00      0.80        0
  HI   009     HI003       4        N/A       -9 /   1     -9 /   1     0.00      0.04      0.04        0
  MA   B       MA001       1        NFU      239 /  82    239 /  82     0.03     51.00     -9.00        1
  MD   045     MD001       1        NFU       36 /  10     48 /  23     1.00    440.00     67.60        0
  MD   N/A     MD002       1        NFU        6 /   4      6 /   4     6.00     53.00     26.75        0
  NY   103     NY006       1        NFU        8 /   1     72 /   4     5.00     10.00      7.75        1
  NY   103     NY009       1        SFU       -9 /  -9   3500 / 250     1.00    550.00     -9.00        1

CHEMICAL: 1,3-D
--------
  HI   N/A     HI003       3        N/A       -9 /   1     -9 /   1     0.00      0.09      0.09        0
  NY   103     NY006       1        NFU        8 /   1     72 /   4    37.00    270.00    123.00        1
  NY   103     NY007       1        N/A        1 /   1      1 /   1     0.00    130.00    130.00        0
  NY   103     NY008       1        N/A        1 /   1      1 /   1     0.00     72.00     72.00        0

CHEMICAL: 2,4,5-T
--------
  KS   201     KS001       2        N/A        1 /   1      1 /   1     0.00      1.10      1.10        1
  MN   70B     MN002       2        N/A      400 /   1    525 /   1     0.00      0.21      0.21        1
  TX   093     TX003       1        DC        75 /   1     80 /   2     2.66      2.99      2.85        1
  VA   2B      VA002       1        SFU       66 /  16     -9 /  -9    -9.00     -9.00     -9.00        0

CHEMICAL: 2,4-D
--------
  CT   8B      CT002       1        SFU       11 /   2     11 /   2     0.01      0.01      0.01        1
  FL   025     FL003       1        PS        -9 /   1     -9 /   1     0.00      0.39      0.39        0
  FL   099     FL003       3        PS        -9 /   1     -9 /   1     0.00      4.84      4.84        0
  HI   N/A     HI003       3        N/A       -9 /   1     -9 /   1     0.00      0.04      0.04        0
  HI   N/A     HI004       1        NFU       44 /   1     -9 /  -9     0.00      0.04      0.04        0
  IA   021     IA005       1        PS         4 /  -9     -9 /  -9    -9.00      0.40     -9.00        0
  ID   2B      ID001       1        PS        55 /  46    107 /  84     0.00     36.50      0.93        2
  KS   N/A     KS001       1        N/A       -9 /   1     -9 /   1     0.00      0.80      0.80        1
  KS   121     KS001       2        N/A        1 /   1      2 /   1     0.00     22.00     22.00        1
```

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PESTICIDES IN GROUND WATER DATA BASE

POSITIVE DETECTIONS BY CHEMICAL BY STATE

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS		SAMPLES		CONCENTRATIONS (PPB)			CONFIRM RATING
					NO. /	POS.	NO. /	POS.	MINIMUM	MAXIMUM	MEAN	
KS	201	KS001	2	N/A	1 /	1	1 /	1	0.00	1.30	1.30	1
MA	001	MA002	1	NFU	17 /	1	60 /	1	0.00	0.34	0.34	0
MN	70B	MN002	2	N/A	400 /	7	525 /	12	0.07	5.70	0.22	1
MS	10B	MS001	1	NFU	143 /	2	143 /	2	7.90	49.50	2.70	1
MT	099	MT001	5	NFU	13 /	4	50 /	5	0.11	0.39	0.23	0
MT	111	MT001	6	NFU	10 /	1	11 /	1	0.00	1.70	1.70	0
NY	4B	NY003	1	N/A	51 /	4	51 /	4	0.50	0.56	-9.00	0
NY	19B	NY010	1	-9	48 /	2	-9 /	-9	0.20	0.50	-9.00	0
SD	B	SD001	1	NFU	-9 /	-9	-9 /	-9	0.29	0.80	-9.00	0
VA	2B	VA002	1	SFU	66 /	14	-9 /	-9	-9.00	-9.00	-9.00	0

CHEMICAL: 2,4-DB

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. /	POS.	SAMPLES NO. /	POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
TX	093	TX003	1	DC	75 /	1	80 /	1	0.00	0.23	0.23	1

CHEMICAL: 2,4-Dichlobenzoic acid

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. /	POS.	SAMPLES NO. /	POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
MA	001	MA002	1	NFU	17 /	10	60 /	21	0.21	32.00	4.29	0

CHEMICAL: Alachlor

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. /	POS.	SAMPLES NO. /	POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
AR	N/A	AR002	1	SPS	56 /	1	112 /	1	0.00	2.00	2.00	2
CA	B	CA001	1	NFU	430 /	1	434 /	1	-9.00	-9.00	-9.00	0
CT	8B	CT002	1	SFU	30 /	2	30 /	2	0.10	13.08	6.59	1
FL	B	FL004	1	SPS	-9 /	2	12 /	12	2.00	99.90	66.50	1
FL	5B	FL007	1	NFU	33 /	2	35 /	3	45.90	89.50	62.30	1
IA	043	IA001	2	NFU	1 /	1	108 /	22	0.05	0.63	0.31	1
IA	065	IA001	3	NFU	1 /	1	1 /	1	0.00	6.00	6.00	1
IA	067	IA002	1	NFU	8 /	1	40 /	1	0.00	0.10	0.10	1
IA	131	IA002	2	NFU	15 /	1	50 /	6	3.30	16.50	10.97	1
IA	035	IA003	3	SFU	9 /	1	12 /	1	0.00	0.18	0.18	1
IA		IA004	1	NFU	70 /	3	70 /	3	0.09	11.00	-9.00	1
IA	091	IA005	1	PS	4 /	4	-9 /	-9	0.00	55.00	0.86	0
IA	091	IA005	2	PS	1 /	1	35 /	-9	0.00	2.70	0.08	0
IL	5B	IL001	1	NFU	25 /	19	25 /	19	0.02	0.33	0.16	5
IL	B	IL003	1	NFU	368 /	2	368 /	2	0.01	6.50	3.30	1
IN	9B	IN001	1	N/A	24 /	1	25 /	2	1.10	2.80	-9.00	0
KS	103	KS001	2	SFU	1 /	1	2 /	2	2.40	6.20	4.30	1
KS	133	KS001	2	N/A	1 /	1	2 /	2	0.88	1.80	1.34	1
KS	117	KS001	3	N/A	1 /	1	2 /	1	0.00	0.39	0.30	1
KS	117	KS001	3	N/A	1 /	1	2 /	1	0.00	0.69	0.69	1
KS		KS001	3	SPS	1 /	1	2 /	2	0.90	1.40	1.15	1
KS	079	KS001	3	SPS	1 /	1	2 /	2	6.00	12.00	9.00	1
KS	149	KS001	3	SPS	1 /	1	2 /	1	0.00	1.80	1.80	1
LA	12B	LA001	1	NFU	12 /	1	-9 /	-9	0.00	0.28	-9.00	1
MA	B	MA001	1	NFU	147 /	5	147 /	5	0.20	4.40	-9.00	1
MD	3B	MD003	1	NFU	30 /	4	36 /	4	0.10	0.80	0.40	1

PESTICIDES IN GROUND WATER DATA BASE
POSITIVE DETECTIONS BY CHEMICAL BY STATE

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
MD	033	MD004	1	NFU	15 / 15	107 / 20	0.00	1.00	0.33	1
ME		ME002	1	SFU	88 / 1	159 / 1	0.00	0.19	0.19	2
MN	35B	MN002	1	N/A	100 / 8	400 / 9	0.16	2.81	0.37	1
MN	70B	MN002	2	N/A	400 / 8	525 / 14	0.07	4.03	0.44	1
ND	021	ND004	1	NFU	95 / 1	171 / 3	0.20	1.20	0.83	0
NE	4B	NE001	1	SPS	47 / 1	47 / 1	0.01	0.02	0.01	1
NE	12B	NE002	2	NFU	14 / 2	14 / 2	0.02	0.07	0.04	1
NE	12B	NE002	2	NFU	17 / 2	34 / 2	0.01	0.07	0.04	1
NE	047	NE003	1	NFU	451 / 1	451 / 1	0.00	0.82	0.82	1
NE	107	NE005	1	NFU	491 / 1	491 / 1	0.00	0.95	0.95	1
NE	179	NE005	1	NFU	491 / 1	491 / 1	0.00	2.96	2.96	1
NE	037	NE005	1	NFU	491 / 1	491 / 1	0.00	20.60	20.60	1
NY	083	NY004	1	PS	17 / 15	58 / 42	0.04	16.00	1.78	2
NY	103	NY009	2	N/A	-9 / -9	36 / 1	0.00	0.80	0.80	0
NY	19B	NY010	1	-9	48 / 1	-9 / -9	0.80	0.80	0.80	0
PA	2B	PA001	1	N/A	43 / 5	129 / 10	0.05	3.00	0.77	1
PA	B	PA003	1	NFU	53 / 6	121 / 8	0.10	1.80	0.59	2
PA	B	PA004	1	SPS	58 / 5	193 / 5	0.08	20.00	4.70	2
SD	B	SD001	1	NFU	-9 / -9	-9 / -9	0.36	6.70	-9.00	0
VA	2B	VA002	1	SFU	66 / 0	-9 / -9	-9.00	-9.00	-9.00	0
WI	N/A	WI001	1	NFU	26 / 1	26 / 1	0.00	1.00	1.00	0
WI	B	WI003	1	NFU	42 / 9	147 / 30	0.10	113.00	19.60	1
WI	B	WI006	1	SPS	733 / 60	733 / 60	0.40	3000.00	54.40	0

CHEMICAL: Aldicarb

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
AK	031	US900	2	NFU	4 / 1	-9 / -9	0.00	31.00	-9.00	0
AL	083	US902	1	NFU	34 / 1	35 / 1	0.00	1.00	1.00	0
AL	003	US902	1	NFU	19 / 1	20 / 2	5.00	7.00	6.00	0
AZ	2B	US900	3	NFU	4 / 1	-9 / -9	0.00	6.00	-9.00	0
AZ	2B	US900	18	NFU	2 / 2	2 / 2	2.50	16.00	9.30	0
CA	B	CA001	1	NFU	481 / 30	797 / 225	-9.00	-9.00	-9.00	0
CA	B	CA001	1	NFU	3 / 1	3 / 1	-9.00	-9.00	-9.00	0
CA	015	CA901	1	NFU	40 / 24	450 / 318	0.00	47.00	-9.00	0
CA	015	CA903	1	NFU	22 / 17	72 / 63	0.00	44.00	10.00	0
CA		CA904	1	NFU	27 / 12	433 / 108	1.00	78.00	12.20	0
CA	019	CA905	1	NFU	5 / 2	57 / 17	1.00	93.00	18.60	0
FL	B	FL004	1	NFU	783 / 9	784 / 10	2.00	27.00	7.20	1
FL	069	FL006	1	NFU	3 / 0	-9 / -9	-9.00	-9.00	-9.00	1
FL	5B	FL007	1	NFU	14 / 1	14 / 1	0.00	1.65	1.65	1
FL	055	FL901	1	NFU	44 / 32	120 / 85	1.00	416.00	47.90	0
FL	127	FL902	1	NFU	2 / 2	41 / 21	1.00	6.00	3.14	0
FL	127	FL902	2	NFU	5 / 5	100 / 62	1.00	350.00	54.11	0
FL	057	FL902	3	NFU	7 / 5	95 / 56	1.00	235.00	66.40	0
FL	055	FL902	6	NFU	45 / 33	194 / 133	1.00	415.00	43.38	0
FL	057	FL902	7	NFU	2 / 1	6 / 1	0.00	2.00	2.00	0
FL	057	FL902	7	NFU	3 / 2	26 / 19	3.00	36.00	10.20	0

PESTICIDES IN GROUND WATER DATA BASE
POSITIVE DETECTIONS BY CHEMICAL BY STATE

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
FL	069	FL902	9	NFU	3 / 3	24 / 15	1.00	4.00	2.47	0
FL	4B	FL903	3	NFU	252 / 2	252 / 2	6.00	19.00	12.50	0
FL	095	FL903	4	NFU	7 / 1	10 / 3	4.00	6.00	5.00	0
FL	127	FL903	5	NFU	39 / 3	42 / 6	1.00	5.30	2.90	0
FL	127	FL903	6	NFU	4 / 3	5 / 4	15.00	130.00	53.50	0
FL	105	FL905	1	NFU	172 / 95	3346 / 828	0.00	1264.00	-9.00	0
FL	4B	US900	5	NFU	8 / 4	15 / 5	0.50	5.00	2.30	0
FL	057	US900	6	NFU	3 / 1	3 / 1	0.00	375.00	-9.00	0
FL	5B	US901	2	NFU	17 / 2	48 / 3	1.00	1.00	1.00	0
GA	177	US902	1	NFU	23 / 2	25 / 3	2.00	8.00	4.00	0
GA	205	US902	1	NFU	7 / 1	8 / 1	0.00	1.00	1.00	0
ID	011	US902	1	NFU	23 / 1	23 / 1	0.00	2.00	2.00	0
MA	B	MA001	1	NFU	146 / 59	146 / 59	1.00	44.20	-9.00	1
MA	6B	MA901	1	NFU	52 / 16	53 / -9	1.00	41.10	21.10	0
MA	6B	MA901	1	NFU	162 / 41	190 / -9	1.00	60.00	11.60	0
MA	6B	MA901	1	NFU	84 / 11	117 / -9	1.00	27.00	10.20	0
MA		MA902	1	NFU	22 / 12	131 / 27	1.00	23.00	7.40	0
ME	003	ME901	1	NFU	98 / 194	283 / 516	0.00	77.00	-9.00	0
ME	019	ME901	1	NFU	47 / 28	125 / 39	0.00	59.00	-9.00	0
ME	2B	ME902	1	NFU	48 / 20	48 / 20	2.00	14.00	7.20	0
ME	003	US900	13	NFU	4 / 3	4 / 3	1.00	23.00	14.70	0
MN	35B	MN002	1	N/A	21 / 2	54 / 5	0.50	30.60	9.00	1
MT	111	MT001	6	NFU	16 / 1	17 / 2	-9.00	-9.00	-9.00	0
MT	009	MT001	8	NFU	14 / 6	25 / 10	0.00	2.90	1.12	0
NC	8B	NC901	1	NFU	18 / 3	18 / 3	1.50	1.50	1.50	1
NC	8B	NC901	1	NFU	32 / 5	90 / 8	1.00	28.20	8.90	1
NC	131	US900	15	NFU	2 / 2	2 / 2	0.50	0.50	0.50	0
NC	2B	US901	8	NFU	19 / 1	19 / 1	0.00	2.00	2.00	0
NE		NE901	1	NFU	15 / 1	111 / 1	0.00	3.00	3.00	0
NJ	2B	NJ901	1	NFU	46 / 2	68 / 4	3.10	31.00	14.30	5
NJ	3B	NJ902	1	NFU	3 / 2	3 / 2	4.00	50.00	27.00	0
NJ	3B	NJ902	1	NFU	6 / 1	6 / 1	0.00	3.00	3.00	0
NY	103	NY002	2	NFU	-9 / 2	-9 / 2	-9.00	-9.00	-9.00	5
NY	103	NY009	1	SFU	-9 / -9	34000 / 0	1.00	315.00	18.30	1
NY	101	NY901	1	NFU	28 / 3	28 / 3	1.00	2.00	1.30	3
NY	117	NY901	1	NFU	9 / 1	9 / 1	0.00	2.00	2.00	3
NY	019	NY901	1	NFU	2 / 2	2 / 2	5.00	6.00	5.50	3
NY	033	NY901	1	NFU	14 / 5	14 / 5	2.00	30.00	9.80	3
NY	029	NY901	1	NFU	16 / 8	18 / 10	2.00	32.00	9.20	3
NY	103	NY902	1	NFU	170 / 122	510 / 270	1.00	217.00	33.20	5
NY	117	NY903	1	NFU	25 / 12	219 / 30	1.00	111.00	25.40	0
NY	117	US900	14	NFU	4 / 1	4 / 1	0.00	1.00	1.00	0
OR	059	US900	7	NFU	1 / 1	1 / 1	-9.00	0.50	0.50	0
RI	009	RI901	1	NFU	11 / 7	32 / 21	9.00	148.00	64.57	1
RI	2B	RI902	1	N/A	474 / 52	493 / -9	1.00	73.00	-9.00	0
RI	2B	RI902	1	N/A	212 / 48	214 / -9	1.00	17.00	-9.00	0
SC	049	US900	16	NFU	2 / 2	2 / 2	0.50	1.00	0.75	0

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS	SAMPLES	CONCENTRATIONS (PPB)			CONFIRM RATING
					NO. / POS.	NO. / POS.	MINIMUM	MAXIMUM	MEAN	
SC	027	US902	1	NFU	8 / 2	10 / 3	1.00	2.00	1.67	0
SC	075	US902	1	NFU	13 / 1	14 / 2	3.00	4.00	3.50	0
SC	033	US902	1	NFU	13 / 1	14 / 1	0.00	3.00	3.00	0
TX	3B	US900	9	NFU	6 / 6	6 / 6	1.00	2.00	1.50	0
VA	2B	US900	10	NFU	7 / 4	7 / 4	0.50	1.00	0.60	0
VA	001	US901	6	NFU	9 / 4	26 / 11	1.00	20.00	10.00	0
VA	3B	US901	7	NFU	69 / 12	69 / 12	1.00	8.00	3.30	0
WA	2B	US900	8	NFU	2 / 1	2 / 1	0.00	1.00	1.00	0
WI	2B	US900	11	NFU	16 / 16	31 / 28	0.50	10.00	2.90	0
WI	097	US901	3	NFU	188 / 34	218 / 39	-9.00	85.00	14.00	0
WI	9B	US901	4	NFU	169 / 23	235 / 81	1.00	111.00	21.00	0
WI	2B	US901	5	NFU	20 / 11	82 / 22	1.00	38.00	4.70	0
WI	N/A	WI001	1	NFU	53 / 33	53 / 33	1.00	10.00	5.60	0
WI	B	WI003	1	NFU	35 / 28	190 / 102	1.00	110.00	8.96	1
WI	22B	WI901	1	NFU	72 / 8	133 / 27	1.00	20.00	5.10	0
WI	22B	WI901	1	NFU	58 / 13	125 / 57	1.00	10.00	4.20	0
WI	22B	WI901	1	NFU	6 / 1	7 / 1	0.00	1.00	1.00	0
WI	22B	WI901	1	NFU	26 / 6	68 / 28	2.00	52.00	12.60	0
WI	22B	WI901	1	NFU	98 / 9	153 / 35	1.00	12.00	3.30	0
WI	22B	WI901	1	NFU	73 / 15	141 / 59	1.00	62.00	9.50	0
WI	22B	WI901	1	NFU	421 / 102	971 /4570	1.00	111.00	15.80	0
WI	22B	WI901	1	NFU	3 / 1	6 / 1	0.00	1.00	1.00	0
WI	22B	WI901	1	NFU	8 / 1	9 / 1	0.00	25.00	25.00	0
WI	22B	WI901	1	NFU	2 / 1	4 / 1	0.00	1.00	1.00	0
WI	22B	WI901	1	NFU	58 / 10	106 / 39	1.00	7.00	3.50	0
WI	22B	WI901	1	NFU	27 / 5	47 / 14	2.00	33.00	18.40	0
WI	22B	WI901	1	NFU	116 / 62	534 /4220	1.00	72.00	15.50	0
WI	N/A	WI902	1	NFU	176 / 103	3300 / 893	1.00	221.00	-9.00	0
WI	9B	WI903	1	NFU	-9 / 14	-9 / -9	-9.00	-9.00	-9.00	0
WI	9B	WI903	1	NFU	-9 / 1	-9 / -9	-9.00	-9.00	-9.00	0
WI	9B	WI903	1	NFU	-9 / 2	-9 / -9	-9.00	-9.00	-9.00	0
WI	9B	WI903	1	NFU	-9 / 11	-9 / -9	-9.00	-9.00	-9.00	0
WI	9B	WI903	1	NFU	-9 / 6	-9 / -9	-9.00	-9.00	-9.00	0
WI	9B	WI903	1	NFU	-9 / 1	-9 / -9	-9.00	-9.00	-9.00	0
WI	9B	WI903	1	NFU	-9 / 5	-9 / -9	-9.00	-9.00	-9.00	0
WI	9B	WI903	1	NFU	-9 / 3	-9 / -9	-9.00	-9.00	-9.00	0
WI	9B	WI903	1	NFU	-9 / 40	-9 / -9	-9.00	-9.00	-9.00	0
WI		WI904	1	NFU	16 / 6	16 / 6	1.00	8.00	4.00	0
WI	137	WI905	1	NFU	2 / 2	14 / 7	4.00	86.00	29.40	0
WI	137	WI905	1	NFU	1 / 1	7 / 6	8.00	144.00	62.00	0

CHEMICAL: Aldrin

IL	5B	IL001	1	NFU	25 / 7	25 / 7	0.01	0.11	0.04	5
MS	10B	MS001	1	NFU	143 / 1	143 / 1	0.00	0.01	0.00	1
NY	103	NY009	2	N/A	-9 / -9	170 / 1	0.00	0.53	0.53	0
SC	043	SC001	1	NFU	27 / 23	27 / 23	-9.00	0.05	0.01	1

PESTICIDES IN GROUND WATER DATA BASE
POSITIVE DETECTIONS BY CHEMICAL BY STATE

CHEMICAL: Ametryn

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
HI	1B	HI001	1	NFU	-9 / -9	-9 / 3	0.23	0.88	-9.00	5
HI	N/A	HI003	3	N/A	-9 / 1	-9 / 1	0.00	0.20	0.20	0
HI	001	HI003	5	N/A	-9 / 1	-9 / 1	0.00	0.88	0.88	0

CHEMICAL: Arochlor

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
MS	10B	MS001	1	N/A	143 / 2	143 / 2	269.00	2300.00	1285.00	1

CHEMICAL: Arsenic

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
TX	2B	TX002	1	N/A	102 / 53	341 / 236	28.00	585.00	105.00	2
TX	B	TX002	2	N/A	61 / 1	61 / 1	0.00	33.00	33.00	2
TX	219	TX002	3	N/A	6 / 4	6 / 4	10.00	13.00	11.80	2
TX	303	TX002	3	N/A	12 / 5	12 / 5	10.00	17.00	12.40	2
TX	003	TX002	3	N/A	2 / 2	2 / 2	32.00	35.00	33.50	2
TX	317	TX002	3	N/A	2 / 1	2 / 1	0.00	100.00	100.00	2
TX	165	TX002	3	N/A	2 / 2	2 / 2	15.00	16.00	15.50	2
TX	305	TX002	3	N/A	2 / 1	2 / 1	0.00	12.00	12.00	2
TX	445	TX002	3	N/A	2 / 1	2 / 1	0.00	33.00	33.00	2
TX	437	TX002	3	N/A	2 / 1	2 / 1	0.00	15.00	15.00	2
TX	375	TX002	3	N/A	2 / 2	2 / 2	13.00	16.00	14.50	2
TX	045	TX002	3	N/A	4 / 1	4 / 1	0.00	17.00	17.00	2
TX	011	TX002	3	N/A	1 / 1	1 / 1	0.00	11.00	11.00	2

CHEMICAL: Atraton

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
MD	1B	MD003	1	NFU	30 / 1	36 / 1	0.00	0.10	0.10	1

CHEMICAL: Atrazine

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
AL	089	AL001	1	NFU	10 / 4	10 / 4	0.12	0.25	0.16	0
AR	N/A	AR002	1	SPS	56 / 1	112 / 1	0.00	5.80	5.80	2
CA	B	CA001	1	NFU	912 / 74	1069 / 144	-9.00	-9.00	-9.00	0
CO	123	CO001	1	NFU	4 / 4	36 / 33	0.00	2.30	1.00	1
CT	8B	CT002	1	SFU	30 / 6	30 / 6	0.01	9.70	-9.00	1
HI	1B	HI001	1	NFU	85 / 38	85 / 38	0.05	4.10	0.23	5
HI	007	HI003	1	N/A	-9 / 5	-9 / 5	0.06	0.28	0.12	0
HI	N/A	HI003	3	N/A	-9 / 8	-9 / 8	0.02	0.60	0.15	0
HI	009	HI003	4	N/A	-9 / 12	-9 / 12	0.05	1.00	0.33	0
HI	001	HI003	5	N/A	-9 / 23	-9 / 23	0.05	3.00	0.58	0
HI	N/A	HI004	1	NFU	44 / 2	-9 / -9	0.10	0.60	0.35	0
IA	043	IA001	1	NFU	19 / 14	78 / 39	0.04	1.10	0.22	1
IA	043	IA001	2	NFU	1 / 1	108 / 104	0.10	5.10	0.59	1
IA	065	IA001	3	NFU	1 / 1	1 / 1	0.00	10.00	10.00	1

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS	SAMPLES	CONCENTRATIONS (PPB)			CONFIRM RATING
					NO. / POS.	NO. / POS.	MINIMUM	MAXIMUM	MEAN	
IA	067	IA002	1	NFU	8 / 4	40 / 16	0.10	0.85	0.34	1
IA	131	IA002	2	NFU	15 / 9	50 / 12	0.10	1.60	0.31	1
IA	021	IA003	1	SFU	2 / 1	3 / 1	0.00	4.10	4.10	1
IA	035	IA003	3	SFU	9 / 1	12 / 2	2.20	4.40	3.30	1
IA	141	IA003	5	SFU	3 / 1	4 / 2	2.00	2.90	2.50	1
IA		IA004	1	NFU	70 / 24	70 / 24	0.10	13.00	-9.00	1
IA	091	IA005	1	PS	4 / 4	-9 / -9	0.00	0.50	0.02	0
IA	091	IA005	2	PS	1 / 1	35 / -9	0.00	0.11	0.00	0
IL	125	IL002	1	NFU	28 / 8	79 / 12	1.07	7.30	3.27	0
IL	B	IL003	1	NFU	368 / 3	368 / 3	0.40	2.50	1.30	1
IL	017	WI007	2	SPS	-9 / 1	-9 / -9	-9.00	4.80	-9.00	0
KS	N/A	KS001	1	N/A	-9 / 1	-9 / 1	0.00	2.10	2.10	1
KS	N/A	KS001	1	N/A	-9 / 1	-9 / 1	0.00	1.20	1.20	1
KS	N/A	KS001	1	N/A	-9 / 1	-9 / 1	0.00	2.50	2.50	1
KS	039	KS001	2	SFU	1 / 1	2 / 2	7.40	40.00	23.70	1
KS	039	KS001	2	SFU	1 / 1	2 / 2	7.40	40.00	23.70	1
KS	027	KS001	2	N/A	1 / 1	2 / 2	3.40	4.60	4.00	1
KS	085	KS001	2	SFU	1 / 1	2 / 2	4.10	4.10	4.10	1
KS	117	KS001	2	N/A	1 / 1	2 / 2	1.50	3.10	2.30	1
KS	117	KS001	3	N/A	1 / 1	2 / 1	0.00	1.60	1.60	1
KS	163	KS001	3	N/A	1 / 1	1 / 1	0.00	1.80	1.80	1
KS		KS001	3	SPS	1 / 1	2 / 2	3.40	5.30	4.35	1
KS		KS001	3	N/A	1 / 1	2 / 1	0.00	2.20	2.20	1
KS	079	KS001	3	SPS	1 / 1	2 / 2	11.00	16.00	13.50	1
KS	149	KS001	3	SPS	1 / 1	2 / 1	0.00	1.70	1.70	1
KS	149	KS001	3	SPS	1 / 1	2 / 1	0.00	2.00	2.00	1
KS		KS001	3	SFU	1 / 1	1 / 1	0.00	1.70	1.70	1
KS	041	KS001	3	SFU	1 / 1	1 / 1	0.00	5.60	5.60	1
KS	015	KS001	3	SFU	1 / 1	1 / 1	0.00	16.00	16.00	1
KS	155	KS001	3	N/A	1 / 1	1 / 1	0.00	3.20	3.20	1
KS	N/A	KS002	1	SFU	84 / 2	84 / 2	1.40	2.20	1.80	1
KS	193	KS002	2	SPS	56 / 1	57 / 2	-9.00	1470.00	-9.00	1
MD	3B	MD003	1	NFU	30 / 3	36 / 3	0.40	0.90	0.60	1
MD	033	MD004	1	NFU	15 / 15	166 / 125	0.00	9.50	1.96	1
ME		ME002	1	SFU	88 / 1	159 / 1	0.00	0.40	0.40	2
MI	059	MI001	1	NFU	7 / 6	35 / 12	1.00	210.00	44.38	0
MI	149	MI001	1	NFU	17 / 4	19 / 6	15.00	107.00	39.50	0
MN	35B	MN002	1	N/A	100 / 47	400 / 112	0.01	42.40	0.38	1
NC	081	NC001	1	SPS	5 / 2	-9 / -9	20.00	212.00	140.00	0
NE	4B	NE001	1	SPS	47 / 13	47 / 13	0.01	1.12	0.08	1
NE	12B	NE002	1	NFU	57 / 18	57 / 18	0.10	2.30	-9.00	1
NE	12B	NE002	2	NFU	14 / 14	14 / 14	0.38	3.12	0.75	1
NE	12B	NE002	2	NFU	18 / 16	18 / 16	0.30	6.96	1.15	1
NE	12B	NE002	2	NFU	21 / 21	116 / 116	0.05	2.02	0.39	1
NE	12B	NE002	2	NFU	21 / 21	40 / 40	0.01	0.99	0.25	1
NE	12B	NE002	2	NFU	16 / 4	22 / 4	0.02	0.10	0.06	1
NE	12B	NE002	2	NFU	17 / 17	59 / 46	0.02	14.72	1.02	1

PESTICIDES IN GROUND WATER DATA BASE
POSITIVE DETECTIONS BY CHEMICAL BY STATE

STATE	COUNTY	REFERENCE	SUB-REF	ORIGIN	WELLS	SAMPLES	CONCENTRATIONS (PPB)			CONFIRM
	FIPS	NUMBER	NUMBER		NO. / POS.	NO. / POS.	MINIMUM	MAXIMUM	MEAN	RATING
NE	065	NE003	1	NFU	451 / 1	451 / 1	0.00	0.41	0.41	1
NE	099	NE003	1	NFU	451 / 1	451 / 1	0.00	0.32	0.32	1
NE	063	NE003	1	NFU	451 / 1	451 / 1	0.00	0.16	0.16	1
NE	047	NE003	1	NFU	451 / 6	451 / 6	0.12	0.65	0.47	1
NE	019	NE003	1	NFU	451 / 4	451 / 4	0.41	3.70	2.30	1
NE	137	NE003	1	N/A	451 / 3	451 / 3	0.20	107.20	36.10	1
NE	083	NE003	1	NFU	451 / 1	451 / 1	0.00	0.23	0.23	1
NE	121	NE004	1	NFU	399 / 8	399 / 8	0.30	6.24	1.80	1
NE	157	NE004	1	NFU	399 / 1	399 / 1	0.00	0.82	0.82	1
NE	047	NE004	1	NFU	399 / 2	399 / 2	1.43	2.00	1.20	1
NE	001	NE004	1	NFU	399 / 2	399 / 2	0.10	0.90	0.40	1
NE	035	NE004	1	NFU	399 / 5	399 / 5	0.10	0.50	0.30	1
NE	081	NE004	1	NFU	399 / 6	399 / 6	0.10	0.50	0.30	1
NE	089	NE004	1	NFU	399 / 4	399 / 4	0.40	22.70	4.90	1
NE	079	NE004	1	NFU	399 / 7	399 / 7	0.62	3.00	1.60	1
NE	107	NE005	1	NFU	491 / 1	491 / 1	0.00	0.36	0.36	1
NE	167	NE005	1	NFU	491 / 1	491 / 1	0.00	0.17	0.17	1
NE	177	NE005	1	NFU	491 / 1	491 / 1	0.00	0.58	0.58	1
NE	143	NE005	1	NFU	491 / 7	491 / 7	0.13	1.70	0.50	1
NE	185	NE005	1	NFU	491 / 6	491 / 6	0.23	1.40	0.50	1
NE	159	NE005	1	NFU	491 / 7	491 / 7	0.27	1.56	0.70	1
NE	059	NE005	1	NFU	491 / 1	491 / 1	0.00	0.21	0.21	1
NE	151	NE005	1	NFU	491 / 3	491 / 3	0.16	0.23	0.20	1
NE	169	NE005	1	NFU	491 / 1	491 / 1	0.00	0.57	0.57	1
NE	047	NE005	1	NFU	491 / 4	491 / 4	0.30	0.50	0.35	1
NJ	2B	NJ002	1	SFU	66 / 3	66 / 3	0.10	0.50	-9.00	1
NY	083	NY004	1	PS	27 / 25	99 / 82	0.12	1500.00	55.20	2
NY	115	WI007	3	SPS	1 / 1	2 / 2	70.00	170.00	120.00	0
PA	2B	PA001	1	N/A	43 / 18	129 / 35	0.20	3.00	0.56	1
PA	B	PA002	1	NFU	20 / 14	38 / 22	0.01	1.11	0.17	1
PA	B	PA003	1	NFU	53 / 21	121 / 29	0.20	3.00	0.54	2
PA	B	PA004	1	SPS	58 / 26	193 / 92	0.10	11.00	0.34	2
PA	011	PA005	1	N/A	1 / 1	3 / 3	0.82	20.00	7.71	1
SD	B	SD001	1	NFU	-9 / -9	-9 / -9	1.70	7.10	-9.00	0
TX	207	TX003	1	N/A	75 / 1	80 / 2	4.90	20.90	12.50	1
VT	001	VT002	1	NFU	39 / 1	43 / 5	7.10	15.40	9.50	1
VT	005	VT002	1	NFU	20 / 1	22 / 1	0.00	3.40	3.40	1
VT	009	VT002	1	SFU	21 / 1	22 / 1	0.00	1.10	0.00	1
VT	017	VT002	1	SDC	1 / 1	-9 / -9	0.00	24.00	24.00	1
VT	019	VT002	1	SFU	15 / 1	19 / 1	0.00	1.20	1.20	1
VT	025	VT002	1	NFU	18 / 1	21 / 4	1.40	5.00	3.50	1
VT	027	VT002	1	SFU	29 / 3	37 / 7	1.10	6.00	3.23	1
VT	017	VT002	1	SFU	17 / 2	20 / 3	1.20	2.30	3.20	1
WI	B	US002	4	N/A	-9 / -9	349 / 50	-9.00	140.00	-9.00	0
WI	N/A	WI001	1	NFU	26 / 8	26 / 8	1.00	9.00	3.30	0
WI	38B	WI002	1	SPS	201 / 12	-9 / -9	-9.00	-9.00	1.75	0
WI	38B	WI002	2	SPS	-9 / 25	-9 / -9	-9.00	-9.00	-9.00	0

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
WI	B	WI003	1	NFU	39 / 18	161 / 76	0.10	33.00	5.40	1
WI	049	WI004	1	PS	5 / 5	6 / 6	22.00	109.00	58.00	3
WI	N/A	WI005	1	SPS	1 / 1	1 / 1	-9.00	550.00	-9.00	0
WI	107	WI007	1	SPS	-9 / 1	-9 / -9	-9.00	3000.00	-9.00	0

CHEMICAL: Azinphos-methyl

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
VA	2B	VA002	1	SFU	66 / 15	-9 / -9	-9.00	-9.00	-9.00	0

CHEMICAL: BHC

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
ID	2B	ID001	1	PS	55 / 10	107 / 11	0.00	0.02	0.00	2
MS	10B	MS001	1	NFU	143 / 6	143 / 6	1.40	4.25	2.70	1
NM	001	NM001	1	NFU	-9 / -9	-9 / -9	-9.00	-9.00	-9.00	0

CHEMICAL: Benomyl

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
FL	099	FL005	1	SFU	38 / 2	247 / 2	1.50	2.50	2.00	0

CHEMICAL: Bromacil

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
CA	B	CA001	1	NFU	571 / 2	582 / 5	-9.00	-9.00	-9.00	0
FL	2B	FL001	1	NFU	80 / 32	80 / 32	3.20	200.00	-9.00	9
FL	021	FL002	1	NFU	34 / 1	65 / 1	0.00	2.95	2.95	1
FL	069	FL006	1	NFU	19 / 4	-9 / -9	1.00	10.80	3.80	1
FL	5B	FL007	1	NFU	38 / 1	40 / 3	10.00	22.00	14.00	1
KS	191	KS001	3	N/A	1 / 1	2 / 1	0.00	1.10	1.10	1
KS	079	KS001	3	SPS	1 / 1	2 / 2	3.30	5.50	4.40	1
KS	079	KS001	3	N/A	1 / 1	2 / 2	16.00	17.00	16.50	1
KS	149	KS001	3	SPS	1 / 1	2 / 1	0.00	1.20	1.20	1
KS	043	KS001	3	N/A	1 / 1	1 / 1	0.00	0.38	0.38	1
KS	041	KS001	3	N/A	1 / 1	1 / 1	0.00	9.50	9.50	1

CHEMICAL: Butylate

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
WI	B	US002	4	N/A	-9 / -9	38 / 14	-9.00	2.90	-9.00	0
WI	38B	WI002	1	SPS	1 / 1	-9 / -9	-9.00	-9.00	2.90	0
WI	38B	WI002	2	SPS	-9 / 17	-9 / -9	-9.00	-9.00	-9.00	0

CHEMICAL: Carbaryl

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
NY	103	NY009	2	N/A	-9 / -9	25000 / 36	-9.00	-9.00	-9.00	0
RI	2B	RI902	1	N/A	100 / 1	100 / 1	0.00	4.00	4.00	0
WI	N/A	WI001	1	SPS	53 / 2	-9 / -9	-9.00	-9.00	1.80	0

CHEMICAL: Carbofuran

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
CA	B	CA001	1	NFU	680 / 1	684 / 1	-9.00	-9.00	-9.00	0

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS	SAMPLES	CONCENTRATIONS (PPB)			CONFIRM RATING
					NO. / POS.	NO. / POS.	MINIMUM	MAXIMUM	MEAN	
FL	5B	FL007	1	SPS	28 / 0	-9 / -9	-9.00	-9.00	-9.00	0
IA	091	IA005	1	PS	4 / -9	-9 / -9	-9.00	0.60	-9.00	0
MA	B	MA001	1	NFU	146 / 23	146 / 23	1.00	36.60	-9.00	1
NY	103	NY009	1	SFU	-9 / -9	26000 /7000	1.00	176.00	7.00	1
PA	N/A	PA006	1	NFU	1 / 1	2 / 2	4.00	9.00	8.00	0
RI	009	RI901	1	NFU	11 / 6	32 / 16	1.00	7.00	3.50	1
RI	2B	RI902	1	N/A	100 / 11	100 / 11	1.00	19.00	2.90	0
WI	B	US002	4	N/A	-9 / -9	78 / 2	-9.00	7.00	-9.00	0
WI	N/A	WI001	1	NFU	26 / 5	26 / 5	2.00	12.00	7.00	0
WI	38B	WI002	1	SPS	72 / 1	-9 / -9	-9.00	-9.00	15.00	0
CHEMICAL: Carbon tetrachloride										
HI	N/A	HI003	3	N/A	-9 / 6	-9 / 6	0.08	0.50	0.25	0
CHEMICAL: Chloramben										
WI	B	US002	4	N/A	-9 / -9	29 / 2	-9.00	50.00	-9.00	0
WI	38B	WI002	1	SPS	16 / 1	-9 / -9	-9.00	-9.00	50.00	0
CHEMICAL: Chlordane										
IA	091	IA005	1	PS	4 / -9	-9 / -9	-9.00	1.80	-9.00	0
ID	2B	ID001	1	PS	55 / 1	107 / 1	0.00	0.04	0.00	2
ID	2B	ID001	1	PS	55 / 1	107 / 3	0.00	0.02	0.00	2
IL	5B	IL001	1	NFU	25 / 21	25 / 21	0.01	0.06	0.03	5
KS	139	KS001	2	N/A	1 / 1	2 / 2	0.31	0.33	0.32	1
KS	121	KS001	2	N/A	1 / 1	2 / 2	6.90	7.90	7.40	1
KS	133	KS001	2	N/A	1 / 1	2 / 2	0.47	0.58	0.53	1
MA	001	MA002	1	NFU	17 / 7	59 / 14	0.13	3.63	0.88	0
MS	10B	MS001	1	NFU	143 / 2	143 / 2	1.60	1.80	1.70	1
CHEMICAL: Chlorothalonil										
MA	001	MA002	1	NFU	17 / 2	59 / 2	0.22	0.38	0.30	0
ME		ME002	1	SFU	88 / 1	159 / 1	0.00	0.02	0.02	2
NY	103	NY009	1	SFU	-9 / -9	67 / 11	1.10	12.60	-9.00	1
CHEMICAL: Chlorpyrifos										
IL	5B	IL001	1	NFU	25 / 18	25 / 18	0.01	0.09	0.05	5
MA	001	MA002	1	NFU	17 / 1	59 / 1	0.00	0.10	0.10	0
CHEMICAL: Cryolite										
NY	103	NY009	2	N/A	-9 / -9	99 / 7	0.30	1.79	-9.00	0
CHEMICAL: Cyanazine										
IA	043	IA001	1	NFU	19 / 1	78 / 3	0.10	0.20	0.14	1

PESTICIDES IN GROUND WATER DATA BASE
POSITIVE DETECTIONS BY CHEMICAL BY STATE

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
IA	043	IA001	2	NFU	1 / 1	108 / 24	0.07	1.20	0.36	1
IA	065	IA001	3	NFU	1 / 1	1 / 1	0.00	0.50	0.50	1
IA	131	IA002	2	NFU	15 / 3	50 / 7	0.12	0.48	0.32	1
IA	021	IA003	1	SFU	2 / 1	3 / 1	0.00	0.69	0.69	1
IA	035	IA003	3	SFU	9 / 1	12 / 2	0.26	0.34	0.30	1
IA		IA004	1	NFU	70 / 7	70 / 7	0.10	1.40	-9.00	1
IA	091	IA005	1	PS	4 / 4	-9 / -9	0.00	80.00	3.32	0
IL	5B	IL001	1	NFU	25 / 10	25 / 10	0.01	0.08	0.03	5
LA	12B	LA001	1	NFU	12 / 1	-9 / -9	0.00	0.18	-9.00	1
MD	033	MD004	1	NFU	15 / 12	123 / 16	0.00	3.60	0.63	1
MN	35B	MN002	1	N/A	100 / 3	400 / 3	0.18	2.90	0.22	1
MN	70B	MN002	2	N/A	400 / 1	525 / 1	0.00	0.80	0.80	1
NE	047	NE003	1	NFU	451 / 1	451 / 1	0.00	3.20	3.20	1
NY	083	NY004	1	PS	10 / 1	17 / 1	0.00	1.00	1.00	2
PA	B	PA002	1	NFU	20 / 2	38 / 2	0.00	0.09	0.09	1
PA	B	PA003	1	NFU	53 / 1	121 / 1	0.00	1.10	1.10	2
VT	027	VT002	1	SFU	29 / 1	31 / 1	0.00	7.00	7.00	1
WI	B	US002	4	N/A	-9 / -9	117 / 80	-9.00	-9.00	-9.00	0
WI	38B	WI002	2	SPS	-9 / 8	-9 / -9	-9.00	-9.00	-9.00	0

CHEMICAL: DBCP

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
AZ	B	AZ001	1	SFU	40 / 1	41 / 2	0.01	0.02	0.01	1
CA	B	CA001	1	NFU	5288 /2113	8108 /4201	-9.00	-9.00	-9.00	0
HI	N/A	HI002	1	N/A	95 / 12	-9 / -9	0.00	14.00	0.03	0
HI	007	HI003	1	N/A	-9 / 1	-9 / 1	0.00	0.21	0.21	0
HI	N/A	HI003	3	N/A	-9 / 20	-9 / 20	0.00	0.40	0.04	0
HI	009	HI003	4	N/A	-9 / 6	-9 / 6	0.01	0.20	0.06	0
MD	045	MD001	1	NFU	36 / 3	48 / 9	2.00	13.00	6.20	0
MD	N/A	MD002	1	NFU	6 / 3	6 / 3	6.00	12.00	9.00	0
SC	B	SC002	1	N/A	81 / 13	95 / -9	0.01	1.00	-9.00	1
VA	183	VA001	1	SPS	13 / 2	13 / 2	76.00	114.00	-9.00	5

CHEMICAL: DDT

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
ID	2B	ID001	1	PS	55 / 17	107 / 19	0.00	0.54	0.02	2
ID	2B	ID001	1	PS	55 / 7	107 / 9	0.00	0.76	0.02	2
IL	5B	IL001	1	NFU	25 / 18	25 / 18	0.01	0.05	0.03	5
MS	10B	MS001	1	NFU	143 / 3	143 / 3	2.00	5.50	3.30	1
MS	10B	MS001	1	NFU	143 / 4	143 / 4	6.00	402.00	108.00	1
NJ	2B	NJ002	1	SFU	66 / 1	66 / 1	0.00	0.07	0.07	1
NM	001	NM001	1	NFU	-9 / -9	-9 / 9	-9.00	-9.00	-9.00	0
NM	001	NM001	1	NFU	-9 / -9	-9 / 9	-9.00	-9.00	-9.00	0
SC	043	SC001	1	NFU	27 / 27	27 / 27	0.06	0.16	0.04	1

CHEMICAL: Dacthal

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
MA	001	MA002	1	NFU	17 / 3	119 / 4	0.21	1.07	0.46	0

STATE	COUNTY	REFERENCE	SUB-REF	ORIGIN	WELLS	SAMPLES	CONCENTRATIONS (PPB)			CONFIRM
	FIPS	NUMBER	NUMBER		NO. / POS.	NO. / POS.	MINIMUM	MAXIMUM	MEAN	RATING
NY	103	NY009	1	SFU	-9 / -9	213 / 56	1.00	1039.00	109.00	1
OR	045	OR001	1	NFU	6 / 6	6 / 6	0.11	290.00	-9.00	0
WI	B	US002	4	N/A	-9 / -9	10 / 1	-9.00	-9.00	-9.00	0
WI	38B	WI002	1	SPS	3 / 3	-9 / -9	-9.00	-9.00	254.60	0
WI	38B	WI002	2	SPS	-9 / 1	-9 / -9	-9.00	-9.00	-9.00	0
CHEMICAL: Diazinon										
IL	5B	IL001	1	NFU	25 / 6	25 / 6	0.01	0.08	0.05	5
MS	10B	MS001	1	NFU	143 / 7	143 / 7	12.00	478.00	162.00	1
CHEMICAL: Dicamba										
CT	8B	CT002	1	SFU	11 / 1	11 / 1	0.00	0.01	0.01	1
FL	099	FL003	3	PS	-9 / 1	-9 / 1	0.00	0.63	0.63	0
IA	091	IA005	1	PS	4 / 4	-9 / -9	0.00	12.00	0.31	0
ID	2B	ID001	1	PS	55 / 17	107 / 21	0.00	0.49	0.02	2
MA	001	MA002	1	NFU	17 / 1	60 / 1	0.00	0.06	0.06	0
ME		ME002	1	SFU	71 / 1	126 / 1	0.00	1.10	1.10	2
MN	35B	MN002	1	N/A	100 / 1	400 / 4	0.53	0.86	0.66	1
MN	70B	MN002	2	N/A	400 / 3	525 / 6	0.05	0.21	0.10	1
MT	099	MT001	5	NFU	13 / 5	50 / 6	0.06	3.00	0.82	0
TX	207	TX003	1	N/A	75 / 1	80 / 1	0.00	0.88	0.88	1
CHEMICAL: Dieldrin										
HI	N/A	HI003	3	N/A	-9 / 5	-9 / 5	0.00	0.01	0.00	0
HI	N/A	HI004	1	NFU	44 / 3	-9 / -9	0.00	0.10	0.10	0
IA	091	IA005	1	PS	4 / 4	-9 / -9	0.00	0.03	0.00	0
ID	2B	ID001	1	PS	55 / 33	107 / 51	0.00	0.09	0.01	2
IL	125	IL002	1	NFU	28 / 12	111 / 26	0.00	0.08	0.10	0
KS	133	KS001	2	N/A	1 / 1	2 / 2	0.10	0.11	0.11	1
KS	115	KS001	2	N/A	1 / 1	2 / 2	0.22	0.26	0.24	1
NE	12B	NE002	2	NFU	17 / 1	34 / 1	0.00	0.01	-9.00	1
NJ	2B	NJ002	1	SFU	66 / 1	66 / 1	0.00	0.02	0.02	1
CHEMICAL: Dimethoate										
CA	B	CA001	1	NFU	612 / 1	626 / 1	-9.00	-9.00	-9.00	0
CHEMICAL: Dinoseb										
MA	B	MA001	1	NFU	147 / 10	147 / 10	0.36	36.70	-9.00	1
ME		ME002	1	SFU	88 / 7	159 / 8	0.06	2.30	0.67	2
NY	103	NY009	1	SFU	-9 / -9	66 / 6	0.60	4.50	-9.00	1
WI	B	US002	4	N/A	-9 / -9	125 / 3	-9.00	5.50	-9.00	0
WI	N/A	WI001	1	NFU	26 / 9	26 / 9	26.00	74.00	46.20	0

PESTICIDES IN GROUND WATER DATA BASE
POSITIVE DETECTIONS BY CHEMICAL BY STATE

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
WI	38B	WI002	1	SPS	103 / 2	-9 / -9	-9.00	-9.00	5.50	0

CHEMICAL: Disulfoton

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
WI	N/A	WI001	1	NFU	26 / 14	26 / 14	4.00	100.00	36.30	0

CHEMICAL: Diuron

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
CA	B	CA001	1	NFU	728 / 9	762 / 24	-9.00	-9.00	-9.00	0
FL	099	FL005	1	SFU	38 / 3	247 / 3	0.02	1.54	0.61	0
FL	069	FL006	1	NFU	19 / 0	-9 / -9	-9.00	-9.00	-9.00	1

CHEMICAL: EDB

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
AZ	B	AZ001	1	N/A	40 / 1	43 / 1	0.00	0.09	0.09	5
CA	B	CA001	1	NFU	964 / 27	1066 / 40	-9.00	-9.00	-9.00	0
CT	8B	CT002	1	SFU	2 / 2	2 / 2	0.14	0.50	0.32	1
FL	B	US002	2	NFU	7609 / 828	-9 / -9	-9.00	-9.00	6.50	0
GA	117	GA001	1	NFU	30 / 10	46 / 23	0.02	13.00	2.80	1
HI	N/A	HI002	1	N/A	84 / 4	-9 / -9	0.02	300.00	0.04	0
HI	N/A	HI003	3	N/A	-9 / 11	-9 / 11	0.00	11.00	1.08	0
HI	009	HI003	4	N/A	-9 / 3	-9 / 3	0.03	0.07	0.05	0
MA	B	MA001	1	NFU	239 / 36	239 / 36	0.03	6.90	-9.00	1
NY	103	NY009	1	SFU	-9 / -9	5000 / 15	0.40	14.00	-9.00	1
WA	5B	WA001	1	NFU	35 / 5	47 / 14	0.00	4.30	0.92	1
WA	5B	WA001	1	NFU	14 / 3	20 / 7	0.00	1.37	0.50	1
WA	5B	WA001	1	NFU	5 / 1	6 / 2	0.00	0.00	0.32	1
WA	5B	WA001	1	PS	24 / 5	38 / 11	0.00	5.70	0.82	1
WI	38B	WI002	1	SPS	27 / 3	-9 / -9	-9.00	-9.00	4.23	0

CHEMICAL: EPTC

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
MN	70B	MN002	2	N/A	400 / 1	525 / 1	0.00	0.33	0.33	1
WI	B	US002	4	N/A	-9 / -9	100 / 9	-9.00	-9.00	-9.00	0
WI	38B	WI002	2	SPS	-9 / 8	-9 / -9	-9.00	-9.00	-9.00	0

CHEMICAL: ETU

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
ME		ME002	1	SFU	24 / 3	24 / 3	3.10	4.60	3.90	5

CHEMICAL: Endosulfan

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
FL	039	FL003	2	PS	-9 / -9	-9 / 2	0.01	0.03	0.02	0
KS	021	KS001	2	SDC	1 / 1	2 / 2	0.03	0.06	0.04	1
KS	021	KS001	2	SDC	1 / 1	2 / 1	0.00	0.03	0.03	1
ME		ME002	1	SFU	88 / 2	159 / 2	0.22	0.40	0.31	2
NY	4B	NY003	1	N/A	46 / 4	46 / 4	0.05	0.21	-9.00	0

PESTICIDES IN GROUND WATER DATA BASE
POSITIVE DETECTIONS BY CHEMICAL BY STATE

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS	SAMPLES	CONCENTRATIONS (PPB)			CONFIRM RATING
					NO. / POS.	NO. / POS.	MINIMUM	MAXIMUM	MEAN	
VA	2B	VA002	1	SFU	66 / 29	-9 / -9	-9.00	-9.00	-9.00	0
CHEMICAL: Endrin										
IL	125	IL002	1	NFU	28 / 16	111 / 61	0.00	0.67	0.02	0
CHEMICAL: Ethoprop										
NY	103	NY009	1	SFU	-9 / -9	86 / 23	0.18	12.60	-9.00	1
CHEMICAL: Fonofos										
IA	043	IA001	2	NFU	1 / 1	108 / 1	0.00	0.11	0.11	1
IA		IA004	1	NFU	70 / 3	70 / 3	0.11	0.90	-9.00	1
NE	061	NE001	1	NFU	451 / 1	451 / 1	0.00	0.06	0.06	1
CHEMICAL: Glyphosate										
VA	2B	VA002	1	SFU	66 / 6	-9 / -9	-9.00	-9.00	-9.00	0
CHEMICAL: Heptachlor										
AL	089	TN001	2	NFU	4 / 1	-9 / -9	0.00	0.05	-9.00	0
ID	2B	ID001	1	PS	55 / 1	107 / 1	0.00	0.02	0.00	2
IL	5B	IL001	1	NFU	25 / 16	25 / 16	0.04	0.81	0.19	5
KS	133	KS001	2	N/A	1 / 1	2 / 2	0.02	0.03	0.03	1
MA	001	MA002	1	NFU	17 / 4	59 / 8	0.03	0.12	0.05	0
CHEMICAL: Hexachlorobenzene										
ID	2B	ID001	1	PS	55 / 3	107 / 3	0.00	0.01	0.00	2
MS	10B	MS001	1	SFU	143 / 4	143 / 4	3.90	5.60	4.70	1
CHEMICAL: Hexazinone										
HI	1B	HI001	1	NFU	-9 / -9	-9 / -9	0.05	0.70	-9.00	5
HI	001	HI003	5	N/A	-9 / 9	-9 / 9	0.06	0.56	0.19	0
ME		ME002	1	SFU	88 / 2	159 / 2	7.00	9.00	8.00	2
CHEMICAL: Isofenphos										
MA	001	MA002	1	NFU	17 / 1	59 / 1	0.00	1.17	1.17	0
CHEMICAL Lindane										
FL	039	FL003	2	PS	-9 / 1	-9 / 1	0.00	0.09	0.09	0
FL	B	US002	2	NFU	96 / 1	96 / 1	0.00	0.01	0.00	0

PESTICIDES IN GROUND WATER DATA BASE
POSITIVE DETECTIONS BY CHEMICAL BY STATE

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
ID	2B	ID001	1	PS	55 / 2	107 / 2	0.00	0.08	0.00	2
IL	5B	IL001	1	NFU	25 / 3	25 / 3	0.01	0.20	0.07	5
MS	10B	MS001	1	NFU	143 / 5	143 / 5	0.60	47.00	11.10	1
NJ	2B	NJ002	1	SFU	66 / 1	66 / 1	0.00	0.05	0.05	1
NY	103	NY009	2	N/A	-9 / -9	131 / 1	0.00	0.13	0.13	0
SC	043	SC001	1	NFU	27 / 15	27 / 15	-9.00	0.02	0.01	1
CHEMICAL: Linuron										
FL	009	FL005	1	SFU	38 / 2	247 / 2	0.20	0.42	0.31	0
WI	N/A	WI001	1	NFU	26 / 1	26 / 1	0.00	3.00	3.00	0
WI	B	WI003	1	NFU	21 / -9	-9 / -9	1.30	2.70	1.90	1
CHEMICAL: MCPA										
MN	70B	MN002	2	N/A	400 / 2	525 / 4	0.13	2.20	0.26	1
MT	099	MT001	5	NFU	13 / 3	50 / 3	0.36	5.50	2.88	0
CHEMICAL: Malathion										
ID	2B	ID001	1	PS	55 / 1	107 / 1	0.00	5.20	0.03	2
MS	10B	MS001	1	NFU	143 / 2	143 / 2	30.00	53.00	41.50	1
CHEMICAL: Metalaxyl										
FL	009	FL005	1	SFU	38 / 1	247 / 1	-9.00	2.30	-9.00	0
NC	065	NC002	1	N/A	-9 / -9	11 / 3	0.27	1.40	1.00	0
CHEMICAL: Methamidophos										
ME		ME002	1	SFU	38 / 9	45 / 10	0.09	10.50	4.80	2
CHEMICAL: Methomyl										
FL	117	US001	1	NFU	4 / 2	27 / 3	1.00	20.00	8.00	0
NY	103	NY009	1	SFU	-9 / -9	25000 / 80	1.00	9.00	-9.00	1
NY	075	US001	2	NFU	4 / 1	32 / 1	-9.00	1.00	1.00	0
CHEMICAL: Methyl parathion										
ID	2B	ID001	1	PS	55 / 1	107 / 1	0.00	0.01	0.00	2
MS	10B	MS001	1	NFU	143 / 6	143 / 6	10.00	256.00	88.40	1
VA	2B	VA002	1	SFU	66 / 13	-9 / -9	-9.00	-9.00	-9.00	0
CHEMICAL: Methylene chloride										
HI	N/A	HI003	3	N/A	-9 / 2	-9 / 2	4.00	19.00	11.50	0

PESTICIDES IN GROUND WATER DATA BASE
POSITIVE DETECTIONS BY CHEMICAL BY STATE

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO.	WELLS POS.	SAMPLES NO.	SAMPLES POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
HI	001	HI003	5	N/A	-9	2	-9	2	3.90	11.00	7.45	0

CHEMICAL: Metolachlor

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO.	WELLS POS.	SAMPLES NO.	SAMPLES POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
AR	N/A	AR002	1	SPS	56	1	112	1	0.00	6.70	6.70	2
CT	8B	CT002	1	SFU	30	3	30	3	0.20	32.32	-9.00	1
IA	043	IA001	2	NFU	1	1	108	3	0.25	0.62	0.43	1
IA	065	IA001	3	NFU	1	1	1	1	0.00	0.25	0.25	1
IA	131	IA002	2	NFU	15	1	50	1	0.00	0.11	0.11	1
IA	035	IA003	3	SFU	9	1	12	2	4.50	7.30	5.90	1
IA		IA004	1	NFU	70	2	70	2	0.32	7.80	4.86	1
IL	B	IL003	1	NFU	368	1	368	1	0.00	6.00	6.00	1
IL	017	WI007	2	SPS	-9	1	-9	-9	-9.00	10.00	-9.00	0
KS	027	KS001	3	N/A	1	1	1	1	0.00	0.61	0.61	1
KS		KS001	3	SPS	1	1	2	2	0.34	1.50	0.92	1
KS	079	KS001	3	SPS	1	1	2	2	1.00	1.60	1.30	1
KS	015	KS001	3	SPS	1	1	1	1	0.00	4.60	4.60	1
KS	155	KS001	3	N/A	1	1	1	1	0.00	4.90	4.90	1
KS	193	KS002	2	SPS	56	1	57	1	-9.00	150.00	-9.00	3
MN	70B	MN002	2	N/A	400	2	525	2	0.30	0.55	0.42	1
NY	083	NY004	1	PS	10	6	17	10	1.20	112.00	20.90	2
NY	115	WI007	3	SPS	1	1	1	1	0.00	200.00	200.00	0
PA	2B	PA001	1	N/A	43	4	129	6	0.10	0.40	0.24	1
PA	B	PA003	1	NFU	53	4	121	5	0.20	0.41	0.27	2
PA	B	PA004	1	NFU	58	8	193	31	0.10	0.30	0.16	2
PA	011	PA005	1	N/A	1	1	3	3	1.20	48.00	17.66	1
TX	093	TX003	1	DC	75	1	80	1	0.00	5.50	5.50	1
VT	025	VT002	1	DC	18	1	21	1	0.00	3.20	3.20	1
WI	B	US002	4	N/A	-9	-9	126	34	-9.00	88.00	-9.00	0
WI	38B	WI002	1	SPS	65	1	-9	-9	-9.00	-9.00	55.00	0
WI	38B	WI002	2	SPS	-9	19	-9	-9	-9.00	-9.00	-9.00	0
WI	B	WI003	1	NFU	31	8	104	28	0.20	12.00	4.00	1
WI	049	WI004	1	PS	5	5	6	6	1.80	157.00	65.60	3
WI	N/A	WI005	1	SPS	1	1	1	1	-9.00	8.70	-9.00	0
WI	107	WI007	1	SPS	-9	1	-9	-9	-9.00	1300.00	-9.00	0

CHEMICAL: Metribuzin

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO.	WELLS POS.	SAMPLES NO.	SAMPLES POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
IA	067	IA002	1	NFU	8	1	40	2	0.09	0.15	0.12	1
IA	131	IA002	2	NFU	15	3	50	13	0.10	4.30	1.83	1
IA	021	IA003	1	SFU	2	1	3	1	0.00	1.40	1.40	1
IA	035	IA003	3	SFU	9	1	12	2	0.44	0.75	0.59	1
IA		IA004	1	NFU	70	2	70	2	0.29	1.10	0.70	1
IA	091	IA005	1	PS	4	1	-9	-9	0.00	0.41	0.06	0
IA	091	IA005	2	PS	1	1	35	-9	0.00	0.15	0.00	0
IL	5B	IL001	1	NFU	25	19	25	19	0.01	0.18	0.08	5
IL	125	IL002	1	NFU	28	7	79	11	0.01	0.11	0.05	0

PESTICIDES IN GROUND WATER DATA BASE
POSITIVE DETECTIONS BY CHEMICAL BY STATE

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
IL	B	IL003	1	NFU	368 / 1	368 / 1	0.00	0.60	0.60	1
KS	103	KS001	2	SFU	1 / 1	2 / 1	0.00	0.15	0.15	1
KS	079	KS001	3	SPS	1 / 1	2 / 2	0.16	0.18	0.17	1
KS	015	KS001	3	SPS	1 / 1	1 / 1	0.00	2.10	2.10	1
KS	155	KS001	3	N/A	1 / 1	1 / 1	0.00	0.13	0.13	1
ME		ME002	1	SFU	88 / 4	159 / 4	0.01	0.66	0.16	2
MN	35B	MN002	1	N/A	100 / 4	400 / 4	0.12	0.78	0.41	1
MN	70B	MN002	2	N/A	400 / 2	525 / 3	0.10	1.05	0.23	1
WI	B	US002	4	N/A	-9 / -9	104 / 1	-9.00	1.80	-9.00	0
WI	N/A	WI001	1	NFU	26 / 13	26 / 13	1.00	6.00	2.00	0
WI	38B	WI002	1	SPS	53 / 2	-9 / -9	-9.00	-9.00	1.80	0
WI	B	WI003	1	NFU	36 / 20	95 / 41	0.20	6.80	1.34	1

CHEMICAL: Molinate

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
CA	B	CA001	1	NFU	267 / 2	371 / 16	-9.00	-9.00	-9.00	0
CA	B	CA001	1	NFU	212 / 2	290 / 3	-9.00	-9.00	-9.00	0

CHEMICAL: Naled

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
FL	025	FL003	1	PS	-9 / 1	-9 / 1	0.00	0.81	0.81	0
NY	103	NY009	2	N/A	-9 / -9	32 / 6	3.00	7.00	-9.00	0

CHEMICAL: Oxamyl

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
MA	B	MA001	1	NFU	146 / 1	146 / 1	0.00	1.00	-9.00	1
NY	103	NY009	1	SFU	-9 / -9	25000 / 900	1.00	395.00	7.20	1
RI	009	RI901	1	NFU	11 / 4	32 / 5	1.00	2.00	1.33	1
RI	2B	RI902	1	N/A	100 / 1	100 / 1	0.00	2.00	2.00	0

CHEMICAL: PCNB

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
ID	2B	ID001	1	PS	55 / 19	107 / 33	0.00	0.22	0.02	2

CHEMICAL: PCP

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
ID	2B	ID001	1	PS	55 / 40	107 / 65	0.00	0.05	0.01	2
MN	35B	MN002	1	N/A	100 / 3	400 / 3	0.42	0.64	0.58	1
MS	10B	MS001	1	N/A	143 / 101	143 / 101	2.20	149.00	18.30	1
NM	37B	NM001	1	NFU	-9 / -9	-9 / -9	-9.00	-9.00	-9.00	0

CHEMICAL: Paraquat

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
NY	103	NY009	2	N/A	-9 / -9	14 / 1	0.00	3.00	3.00	0
VA	2B	VA002	1	SFU	66 / 0	-9 / -9	-9.00	-9.00	-9.00	0

CHEMICAL: Parathion

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
ND	52B	ND001	1	NFU	45 / 2	45 / 2	0.02	0.04	0.03	1

PESTICIDES IN GROUND WATER DATA BASE
POSITIVE DETECTIONS BY CHEMICAL BY STATE

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS	SAMPLES	CONCENTRATIONS (PPB)			CONFIRM RATING
					NO. / POS.	NO. / POS.	MINIMUM	MAXIMUM	MEAN	
CHEMICAL: Phosmet										
VA	2B	VA002	1	SFU	66 / 1	-9 / -9	-9.00	-9.00	-9.00	0
CHEMICAL: Picloram										
KS	053	KS001	2	N/A	1 / 1	2 / 2	3.30	5.60	4.45	1
ME		ME002	1	SFU	88 / 1	159 / 1	0.00	1.40	1.40	2
MN	70B	MN002	2	N/A	400 / 3	525 / 5	0.08	0.63	0.16	1
MT	099	MT001	5	NFU	13 / 2	50 / 7	0.06	16.00	2.67	0
ND	52B	ND001	1	NFU	92 / 7	92 / 7	0.08	1.44	0.43	1
ND	079	ND002	1	NFU	126 / 11	137 / 15	0.02	3.56	0.40	0
ND	079	ND002	1	SPS	126 / 11	137 / 15	0.02	3.56	0.40	1
ND	5B	ND003	1	N/A	188 / 7	486 / 19	0.10	12.80	3.40	1
NY	103	NY009	2	N/A	-9 / -9	11 / 1	0.00	0.50	0.50	0
SD	B	SD001	1	NFU	-9 / -9	-9 / -9	-9.00	8.30	-9.00	0
WI	B	WI003	1	NFU	9 / -9	-9 / -9	0.25	49.00	16.60	1
CHEMICAL: Prometon										
CA	B	CA001	1	NFU	120 / 8	139 / 16	-9.00	-9.00	-9.00	0
TX	275	TX003	1	NFU	75 / 2	80 / 4	5.20	29.60	16.60	1
CHEMICAL: Propachlor										
IL	125	IL002	1	NFU	28 / 2	79 / 2	0.22	2.98	1.60	0
MN	70B	MN002	2	N/A	400 / 2	525 / 2	0.20	0.50	0.35	1
CHEMICAL: Propazine										
KS	193	KS002	2	SPS	56 / 1	57 / 2	-9.00	2.50	-9.00	1
NE	12B	NE002	1	NFU	57 / 2	57 / 2	0.00	0.10	0.10	1
PA	B	PA003	1	NFU	53 / 1	121 / 1	0.00	0.20	0.20	2
CHEMICAL: Silvex										
FL	B	US002	2	NFU	96 / 1	96 / 1	0.00	0.02	0.02	0
ID	2B	ID001	1	PS	55 / 9	107 / 11	0.00	0.62	0.01	2
CHEMICAL: Simazine										
CA	B	CA001	1	NFU	1285 / 57	1464 / 109	-9.00	-9.00	-9.00	0
CT	8B	CT002	1	SFU	30 / 1	30 / 1	0.00	9.10	9.10	1
HI	009	HI003	4	N/A	-9 / 1	-9 / 1	0.00	0.10	0.10	0
IL	125	IL002	1	NFU	28 / 8	79 / 12	1.07	7.30	3.27	0
MD	1B	MD003	1	NFU	30 / 1	36 / 1	0.00	0.10	0.10	1

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
MI	059	MI001	1	NFU	7 / 3	35 / 5	1.00	16.00	7.60	0
MI	149	MI001	1	NFU	17 / 1	19 / 1	0.00	11.00	11.00	0
MN	35B	MN002	1	N/A	100 / 1	400 / 4	0.49	2.58	1.40	1
NE	12B	NE002	1	NFU	57 / 1	57 / 1	0.00	0.10	0.10	1
NJ	2B	NJ002	1	SFU	66 / 2	66 / 2	0.10	0.10	0.10	1
PA	2B	PA001	1	N/A	43 / 10	129 / 15	0.20	3.40	0.71	1
PA	B	PA002	1	NFU	20 / 7	38 / 9	0.01	0.17	0.04	1
PA	B	PA003	1	NFU	53 / 12	121 / 18	0.20	3.40	0.59	2
VA	2B	VA002	1	SFU	66 / 26	-9 / -9	-9.00	-9.00	-9.00	0
VT	003	VT002	1	SFU	14 / 1	16 / 1	0.00	3.40	3.40	1
VT	009	VT002	1	SFU	21 / 1	22 / 1	0.00	2.80	2.80	1
WI	049	WI004	1	PS	5 / 5	6 / 6	0.27	2.20	1.30	3

CHEMICAL: Sulprofos

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
IA	021	IA003	1	SFU	2 / 1	3 / 20	1.30	1.40	1.35	1

CHEMICAL: TCP

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
MA	001	MA002	1	NFU	17 / 1	60 / 2	0.10	0.76	0.43	0

CHEMICAL: TDE

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
MS	10B	MS001	1	NFU	143 / 2	143 / 2	3.30	6.20	4.80	1

CHEMICAL: Tebuthiuron

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
TX	309	TX001	1	NFU	2 / 2	16 / 13	0.00	380.00	276.67	0

CHEMICAL: Terbufos

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
IA	021	IA003	1	SFU	2 / 2	3 / 3	0.30	12.00	7.40	4
IA	041	IA003	2	SFU	2 / 1	2 / 1	0.00	1.20	1.20	4
IA	035	IA003	3	SFU	9 / 1	12 / 1	0.00	11.00	11.00	4
IA	193	IA003	4	SFU	9 / 2	9 / 2	1.70	2.90	1.90	4
IA	141	IA003	5	SFU	3 / 1	4 / 2	4.80	5.90	5.40	4

CHEMICAL: Toluene

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
HI	007	HI003	1	N/A	-9 / 1	-9 / 1	0.00	0.20	0.20	0
HI	N/A	HI003	3	N/A	-9 / 1	-9 / 1	0.00	0.20	0.20	0
HI	001	HI003	5	N/A	-9 / 1	-9 / 1	0.00	0.20	0.20	0

CHEMICAL: Toxaphene

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
MS	10B	MS001	1	NFU	143 / 2	143 / 2	150.00	4910.00	3205.00	1

CHEMICAL: Triallate

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
ID	2B	ID001	1	PS	51 / 8	98 / 9	0.00	0.13	0.01	2

PESTICIDES IN GROUND WATER DATA BASE
POSITIVE DETECTIONS BY CHEMICAL BY STATE

STATE	COUNTY FIPS	REFERENCE NUMBER	SUB-REF NUMBER	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
CHEMICAL: Triazine screen										
FL	069	FL006	1	NFU	1 / 0	-9 / -9	-9.00	-9.00	-9.00	1
CHEMICAL: Trifluralin										
IL	5B	IL001	1	NFU	25 / 8	25 / 8	0.08	1.70	0.74	5
IL	125	IL002	1	NFU	28 / 9	79 / 14	0.01	0.14	0.03	0
KS	103	KS001	2	SFU	1 / 1	2 / 2	0.37	2.20	1.28	1
KS	013	KS001	2	N/A	1 / 1	2 / 2	0.53	3.70	2.12	1
KS	013	KS001	2	N/A	1 / 1	2 / 2	2.70	5.40	4.05	1
MD	8B	MD003	1	NFU	30 / 1	36 / 1	0.00	0.10	0.10	1
MS	10B	MS001	1	NFU	143 / 1	143 / 1	-9.00	-9.00	-9.00	1
ND	52B	ND001	1	SPS	1 / 1	1 / 1	0.00	0.03	0.03	1
NE	019	NE003	1	NFU	451 / 1	451 / 1	0.00	0.42	0.42	1
CHEMICAL: p-Nitrophenol										
MS	10B	MS001	1	SFU	143 / 3	143 / 3	4.00	20.00	12.80	1

APPENDIX C

POSITIVE ENTRIES SORTED BY STATE

PESTICIDES IN GROUND WATER DATA BASE
POSITIVES BY STATE BY CHEMICAL

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS	SAMPLES	CONCENTRATIONS (PPB)			CONFIRM RATING
					NO. / POS.	NO. / POS.	MINIMUM	MAXIMUM	MEAN	
STATE: AK										
Aldicarb	US900	2	031	NFU	4 / 1	-9 / -9	0.00	31.00	-9.00	0
STATE: AL										
Aldicarb	US902	1	083	NFU	34 / 1	35 / 1	0.00	1.00	1.00	0
Aldicarb	US902	1	003	NFU	19 / 1	20 / 2	5.00	7.00	6.00	0
Atrazine	AL001	1	089	NFU	10 / 4	10 / 4	0.12	0.25	0.16	0
Heptachlor	TN001	2	089	NFU	4 / 1	-9 / -9	0.00	0.05	-9.00	0
STATE: AR										
Alachlor	AR002	1	N/A	SPS	56 / 1	112 / 1	0.00	2.00	2.00	2
Atrazine	AR002	1	N/A	SPS	56 / 1	112 / 1	0.00	5.80	5.80	2
Metolachlor	AR002	1	N/A	SPS	56 / 1	112 / 1	0.00	6.70	6.70	2
STATE: AZ										
Aldicarb	US900	3	2B	NFU	4 / 1	-9 / -9	0.00	6.00	-9.00	0
Aldicarb	US900	18	2B	NFU	2 / 2	2 / 2	2.50	16.00	9.30	0
DBCP	AZ001	1	B	SFU	40 / 1	41 / 2	0.01	0.02	0.01	1
EDB	AZ001	1	B	N/A	40 / 1	43 / 1	0.00	0.09	0.09	5
STATE: CA										
1,2-D	CA001	1	B	NFU	3175 / 64	5122 / 316	-9.00	-9.00	-9.00	0
1,2-D	CA901	1	015	NFU	40 / 28	450 / 39	0.00	62.00	-9.00	0
1,2-D	CA901	3	049	NFU	9 / 1	-9 / -9	0.40	0.60	-9.00	0
Alachlor	CA001	1	B	NFU	430 / 1	434 / 1	-9.00	-9.00	-9.00	0
Aldicarb	CA001	1	B	NFU	481 / 30	797 / 225	-9.00	-9.00	-9.00	0
Aldicarb	CA001	1	B	NFU	3 / 1	3 / 1	-9.00	-9.00	-9.00	0
Aldicarb	CA901	1	015	NFU	40 / 24	450 / 318	0.00	47.00	-9.00	0
Aldicarb	CA903	1	015	NFU	22 / 17	72 / 63	0.00	44.00	10.00	0
Aldicarb	CA904	1		NFU	27 / 12	433 / 108	1.00	78.00	12.20	0
Aldicarb	CA905	1	019	NFU	5 / 2	57 / 17	1.00	93.00	18.60	0
Atrazine	CA001	1	B	NFU	912 / 74	1069 / 144	-9.00	-9.00	-9.00	0
Bromacil	CA001	1	B	NFU	571 / 2	582 / 5	-9.00	-9.00	-9.00	0
Carbofuran	CA001	1	B	NFU	680 / 1	684 / 1	-9.00	-9.00	-9.00	0
DBCP	CA001	1	B	NFU	5288 /2113	8108 /4201	-9.00	-9.00	-9.00	0
Dimethoate	CA001	1	B	NFU	612 / 1	626 / 1	-9.00	-9.00	-9.00	0
Diuron	CA001	1	B	NFU	728 / 9	762 / 24	-9.00	-9.00	-9.00	0
EDB	CA001	1	B	NFU	964 / 27	1066 / 40	-9.00	-9.00	-9.00	0
Molinate	CA001	1	B	NFU	267 / 2	371 / 16	-9.00	-9.00	-9.00	0
Molinate	CA001	1	B	NFU	212 / 2	290 / 3	-9.00	-9.00	-9.00	0
Prometon	CA001	1	B	NFU	120 / 8	139 / 16	-9.00	-9.00	-9.00	0

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PESTICIDES IN GROUND WATER DATA BASE
POSITIVES BY STATE BY CHEMICAL

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
Simazine	CA001	1	B	NFU	1285 / 57	1464 / 109	-9.00	-9.00	-9.00	0
STATE: CO										
Atrazine	CO001	1	123	NFU	4 / 4	36 / 33	0.00	2.30	1.00	1
STATE: CT										
1,2-D	CT001	1	007	N/A	2 / 1	2 / 1	0.00	4.30	4.30	2
1,2-D	CT001	1	003	N/A	16 / 3	17 / 3	0.05	12.90	5.98	2
1,2-D	CT001	1	003	N/A	3 / 1	3 / 1	0.00	1.60	1.60	2
1,2-D	CT001	1	003	N/A	8 / 2	10 / 3	14.00	290.00	152.00	2
1,2-D	CT001	1	013	N/A	10 / 4	13 / 7	0.36	51.00	16.18	2
1,2-D	CT001	2	009	N/A	3 / 1	6 / 1	0.00	4.70	4.70	2
1,2-D	CT001	2	007	N/A	1 / 1	5 / 1	0.00	14.80	14.80	2
1,2-D	CT002	1	8B	SFU	2 / 1	2 / 1	0.00	1.30	1.30	1
2,4-D	CT002	1	8B	SFU	11 / 2	11 / 2	0.01	0.01	0.01	1
Alachlor	CT002	1	8B	SFU	30 / 2	30 / 2	0.10	13.08	6.59	1
Atrazine	CT002	1	8B	SFU	30 / 6	30 / 6	0.01	9.70	-9.00	1
Dicamba	CT002	1	8B	SFU	11 / 1	11 / 1	0.00	0.01	0.01	1
EDB	CT002	1	8B	SFU	2 / 2	2 / 2	0.14	0.50	0.32	1
Metolachlor	CT002	1	8B	SFU	30 / 3	30 / 3	0.20	32.32	-9.00	1
Simazine	CT002	1	8B	SFU	30 / 1	30 / 1	0.00	9.10	9.10	1
STATE: FL										
2,4-D	FL003	1	025	PS	-9 / 1	-9 / 1	0.00	0.39	0.39	0
2,4-D	FL003	3	099	PS	-9 / 1	-9 / 1	0.00	4.84	4.84	0
Alachlor	FL004	1	B	SPS	-9 / 2	12 / 12	2.00	99.90	66.50	1
Alachlor	FL007	1	5B	NFU	33 / 2	35 / 3	45.90	89.50	62.30	1
Aldicarb	FL004	1	B	NFU	783 / 9	784 / 10	2.00	27.00	7.20	1
Aldicarb	FL006	1	069	NFU	3 / 0	-9 / -9	-9.00	-9.00	-9.00	1
Aldicarb	FL007	1	5B	NFU	14 / 1	14 / 1	0.00	1.65	1.65	1
Aldicarb	FL901	1	055	NFU	44 / 32	120 / 85	1.00	416.00	47.90	0
Aldicarb	FL902	1	127	NFU	2 / 2	41 / 21	1.00	6.00	3.14	0
Aldicarb	FL902	2	127	NFU	5 / 5	100 / 62	1.00	350.00	54.11	0
Aldicarb	FL902	3	057	NFU	7 / 5	95 / 56	1.00	235.00	66.40	0
Aldicarb	FL902	6	055	NFU	45 / 33	194 / 133	1.00	415.00	43.38	0
Aldicarb	FL902	7	057	NFU	2 / 1	6 / 1	0.00	2.00	2.00	0
Aldicarb	FL902	7	057	NFU	3 / 2	26 / 19	3.00	36.00	10.20	0
Aldicarb	FL902	9	069	NFU	3 / 3	24 / 15	1.00	4.00	2.47	0
Aldicarb	FL903	3	4B	NFU	252 / 2	252 / 2	6.00	19.00	12.50	0
Aldicarb	FL903	4	095	NFU	7 / 1	10 / 3	4.00	6.00	5.00	0
Aldicarb	FL903	5	127	NFU	39 / 3	42 / 6	1.00	5.30	2.90	0
Aldicarb	FL903	6	127	NFU	4 / 3	5 / 4	15.00	130.00	53.50	0
Aldicarb	FL905	1	105	NFU	172 / 95	3346 / 828	0.00	1264.00	-9.00	0
Aldicarb	US900	5	4B	NFU	8 / 4	15 / 5	0.50	5.00	2.30	0

PESTICIDES IN GROUND WATER DATA BASE
POSITIVES BY STATE BY CHEMICAL

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
Aldicarb	US900	6	057	NFU	3 / 1	3 / 1	0.00	375.00	-9.00	0
Aldicarb	US901	2	58	NFU	17 / 2	48 / 3	1.00	1.00	1.00	0
Benomyl	FL005	1	099	SFU	38 / 2	247 / 2	1.50	2.50	2.00	0
Bromacil	FL001	1	28	NFU	80 / 32	80 / 32	3.20	200.00	-9.00	9
Bromacil	FL002	1	021	NFU	34 / 1	65 / 1	0.00	2.95	2.95	1
Bromacil	FL006	1	069	NFU	19 / 4	-9 / -9	1.00	10.80	3.80	1
Bromacil	FL007	1	58	NFU	38 / 1	40 / 3	10.00	22.00	14.00	1
Carbofuran	FL007	1	58	SPS	28 / 0	-9 / -9	-9.00	-9.00	-9.00	0
Dicamba	FL003	3	099	PS	-9 / 1	-9 / 1	0.00	0.63	0.63	0
Diuron	FL005	1	099	SFU	38 / 3	247 / 3	0.02	1.54	0.61	0
Diuron	FL006	1	069	NFU	19 / 0	-9 / -9	-9.00	-9.00	-9.00	1
EDB	US002	2	B	NFU	7609 / 828	-9 / -9	-9.00	-9.00	6.50	0
Endosulfan	FL003	2	039	PS	-9 / -9	-9 / 2	0.01	0.03	0.02	0
Lindane	FL003	2	039	PS	-9 / 1	-9 / 1	0.00	0.09	0.09	0
Lindane	US002	2	B	NFU	96 / 1	96 / 1	0.00	0.01	0.00	0
Linuron	FL005	1	009	SFU	38 / 2	247 / 2	0.20	0.42	0.31	0
Metalaxyl	FL005	1	009	SFU	38 / 1	247 / 1	-9.00	2.30	-9.00	0
Methomyl	US001	1	117	NFU	4 / 2	27 / 3	1.00	20.00	8.00	0
Naled	FL003	1	025	PS	-9 / 1	-9 / 1	0.00	0.81	0.81	0
Silvex	US002	2	B	NFU	96 / 1	96 / 1	0.00	0.02	0.02	0
Triazine screen	FL006	1	069	NFU	1 / 0	-9 / -9	-9.00	-9.00	-9.00	1

STATE: GA

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
Aldicarb	US902	1	177	NFU	23 / 2	25 / 3	2.00	8.00	4.00	0
Aldicarb	US902	1	205	NFU	7 / 1	8 / 1	0.00	1.00	1.00	0
EDB	GA001	1	117	NFU	30 / 10	46 / 23	0.02	13.00	2.80	1

STATE: HI

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
1,2-D	HI003	3	N/A	N/A	-9 / 4	-9 / 4	0.64	1.00	0.80	0
1,2-D	HI003	4	009	N/A	-9 / 1	-9 / 1	0.00	0.04	0.04	0
1,3-D	HI003	3	N/A	N/A	-9 / 1	-9 / 1	0.00	0.09	0.09	0
2,4-D	HI003	3	N/A	N/A	-9 / 1	-9 / 1	0.00	0.04	0.04	0
2,4-D	HI004	1	N/A	NFU	44 / 1	-9 / -9	0.00	0.04	0.04	0
Ametryn	HI001	1	18	NFU	-9 / -9	-9 / 3	0.23	0.88	-9.00	5
Ametryn	HI003	3	N/A	N/A	-9 / 1	-9 / 1	0.00	0.20	0.20	0
Ametryn	HI003	5	001	N/A	-9 / 1	-9 / 1	0.00	0.88	0.88	0
Atrazine	HI001	1	18	NFU	85 / 38	85 / 38	0.05	4.10	0.23	5
Atrazine	HI003	1	007	N/A	-9 / 5	-9 / 5	0.06	0.28	0.12	0
Atrazine	HI003	3	N/A	N/A	-9 / 8	-9 / 8	0.02	0.60	0.15	0
Atrazine	HI003	4	009	N/A	-9 / 12	-9 / 12	0.05	1.00	0.33	0
Atrazine	HI003	5	001	N/A	-9 / 23	-9 / 23	0.05	3.00	0.58	0
Atrazine	HI004	1	N/A	NFU	44 / 2	-9 / -9	0.10	0.60	0.35	0
Carbon tetrachloride	HI003	3	N/A	N/A	-9 / 6	-9 / 6	0.08	0.50	0.25	0
DBCP	HI002	1	N/A	N/A	95 / 12	-9 / -9	0.00	14.00	0.03	0
DBCP	HI003	1	007	N/A	-9 / 1	-9 / 1	0.00	0.21	0.21	0

PESTICIDES IN GROUND WATER DATA BASE
POSITIVES BY STATE BY CHEMICAL

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS	SAMPLES	CONCENTRATIONS (PPB)			CONFIRM RATING
					NO. / POS.	NO. / POS.	MINIMUM	MAXIMUM	MEAN	
DBCP	HI003	3	N/A	N/A	-9 / 20	-9 / 20	0.00	0.40	0.04	0
DBCP	HI003	4	009	N/A	-9 / 6	-9 / 6	0.01	0.20	0.06	0
Dieldrin	HI003	3	N/A	N/A	-9 / 5	-9 / 5	0.00	0.01	0.00	0
Dieldrin	HI004	1	N/A	NFU	44 / 3	-9 / -9	0.00	0.10	0.10	0
EDB	HI002	1	N/A	N/A	84 / 4	-9 / -9	0.02	300.00	0.04	0
EDB	HI003	3	N/A	N/A	-9 / 11	-9 / 11	0.00	11.00	1.08	0
EDB	HI003	4	009	N/A	-9 / 3	-9 / 3	0.03	0.07	0.05	0
Hexazinone	HI001	1	1B	NFU	-9 / -9	-9 / -9	0.05	0.70	-9.00	5
Hexazinone	HI003	5	001	N/A	-9 / 9	-9 / 9	0.06	0.56	0.19	0
Methylene chloride	HI003	3	N/A	N/A	-9 / 2	-9 / 2	4.00	19.00	11.50	0
Methylene chloride	HI003	5	001	N/A	-9 / 2	-9 / 2	3.90	11.00	7.45	0
Simazine	HI003	4	009	N/A	-9 / 1	-9 / 1	0.00	0.10	0.10	0
Toluene	HI003	1	007	N/A	-9 / 1	-9 / 1	0.00	0.20	0.20	0
Toluene	HI003	3	N/A	N/A	-9 / 1	-9 / 1	0.00	0.20	0.20	0
Toluene	HI003	5	001	N/A	-9 / 1	-9 / 1	0.00	0.20	0.20	0
STATE: IA										

2,4-D	IA005	1	021	PS	4 / -9	-9 / -9	-9.00	0.40	-9.00	0
Alachlor	IA001	2	043	NFU	1 / 1	108 / 22	0.05	0.63	0.31	1
Alachlor	IA001	3	065	NFU	1 / 1	1 / 1	0.00	6.00	6.00	1
Alachlor	IA002	1	067	NFU	8 / 1	40 / 1	0.00	0.10	0.10	1
Alachlor	IA002	2	131	NFU	15 / 1	50 / 6	3.30	16.50	10.97	1
Alachlor	IA003	3	035	SFU	9 / 1	12 / 1	0.00	0.18	0.18	1
Alachlor	IA004	1		NFU	70 / 3	70 / 3	0.09	11.00	-9.00	1
Alachlor	IA005	1	091	PS	4 / 4	-9 / -9	0.00	55.00	0.86	0
Alachlor	IA005	2	091	PS	1 / 1	35 / -9	0.00	2.70	0.08	0
Atrazine	IA001	1	043	NFU	19 / 14	78 / 39	0.04	1.10	0.22	1
Atrazine	IA001	2	043	NFU	1 / 1	108 / 104	0.10	5.10	0.59	1
Atrazine	IA001	3	065	NFU	1 / 1	1 / 1	0.00	10.00	10.00	1
Atrazine	IA002	1	067	NFU	8 / 4	40 / 16	0.10	0.85	0.34	1
Atrazine	IA002	2	131	NFU	15 / 9	50 / 12	0.10	1.60	0.31	1
Atrazine	IA003	1	021	SFU	2 / 1	3 / 1	0.00	4.10	4.10	1
Atrazine	IA003	3	035	SFU	9 / 1	12 / 2	2.20	4.40	3.30	1
Atrazine	IA003	5	141	SFU	3 / 1	4 / 2	2.00	2.90	2.50	1
Atrazine	IA004	1		NFU	70 / 24	70 / 24	0.10	13.00	-9.00	1
Atrazine	IA005	1	091	PS	4 / 4	-9 / -9	0.00	0.50	0.02	0
Atrazine	IA005	2	091	PS	1 / 1	35 / -9	0.00	0.11	0.00	0
Carbofuran	IA005	1	091	PS	4 / -9	-9 / -9	-9.00	0.60	-9.00	0
Chlordane	IA005	1	091	PS	4 / -9	-9 / -9	-9.00	1.80	-9.00	0
Cyanazine	IA001	1	043	NFU	19 / 1	78 / 3	0.10	0.20	0.14	1
Cyanazine	IA001	2	043	NFU	1 / 1	108 / 24	0.07	1.20	0.36	1
Cyanazine	IA001	3	065	NFU	1 / 1	1 / 1	0.00	0.50	0.50	1
Cyanazine	IA002	2	131	NFU	15 / 3	50 / 7	0.12	0.48	0.32	1
Cyanazine	IA003	1	021	SFU	2 / 1	3 / 1	0.00	0.69	0.69	1
Cyanazine	IA003	3	035	SFU	9 / 1	12 / 2	0.26	0.34	0.30	1
Cyanazine	IA004	1		NFU	70 / 7	70 / 7	0.10	1.40	-9.00	1

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
Cyanazine	IA005	1	091	PS	4 / 4	-9 / -9	0.00	80.00	3.32	0
Dicamba	IA005	1	091	PS	4 / 4	-9 / -9	0.00	12.00	0.31	0
Dieldrin	IA005	1	091	PS	4 / 4	-9 / -9	0.00	0.03	0.00	0
Fonofos	IA001	2	043	NFU	1 / 1	108 / 1	0.00	0.11	0.11	1
Fonofos	IA004	1		NFU	70 / 3	70 / 3	0.11	0.90	-9.00	1
Metolachlor	IA001	2	043	NFU	1 / 1	108 / 3	0.25	0.62	0.43	1
Metolachlor	IA001	3	065	NFU	1 / 1	1 / 1	0.00	0.25	0.25	1
Metolachlor	IA002	2	131	NFU	15 / 1	50 / 1	0.00	0.11	0.11	1
Metolachlor	IA003	3	035	SFU	9 / 1	12 / 2	4.50	7.30	5.90	1
Metolachlor	IA004	1		NFU	70 / 2	70 / 2	0.32	7.80	4.86	1
Metribuzin	IA002	1	067	NFU	8 / 1	40 / 2	0.09	0.15	0.12	1
Metribuzin	IA002	2	131	NFU	15 / 3	50 / 13	0.10	4.30	1.83	1
Metribuzin	IA003	1	021	SFU	2 / 1	3 / 1	0.00	1.40	1.40	1
Metribuzin	IA003	3	035	SFU	9 / 1	12 / 2	0.44	0.75	0.59	1
Metribuzin	IA004	1		NFU	70 / 2	70 / 2	0.29	1.10	0.70	1
Metribuzin	IA005	1	091	PS	4 / 1	-9 / -9	0.00	0.41	0.06	0
Metribuzin	IA005	2	091	PS	1 / 1	35 / -9	0.00	0.15	0.00	0
Sulprofos	IA003	1	021	SFU	2 / 1	3 / 20	1.30	1.40	1.35	1
Terbufos	IA003	1	021	SFU	2 / 2	3 / 3	0.30	12.00	7.40	4
Terbufos	IA003	2	041	SFU	2 / 1	2 / 1	0.00	1.20	1.20	4
Terbufos	IA003	3	035	SFU	9 / 1	12 / 1	0.00	11.00	11.00	4
Terbufos	IA003	4	193	SFU	9 / 2	9 / 2	1.70	2.90	1.90	4
Terbufos	IA003	5	141	SFU	3 / 1	4 / 2	4.80	5.90	5.40	4

STATE: ID

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
2,4-D	ID001	1	2B	PS	55 / 46	107 / 84	0.00	36.50	0.93	2
Aldicarb	US902	1	011	NFU	23 / 1	23 / 1	0.00	2.00	2.00	0
BHC	ID001	1	2B	PS	55 / 10	107 / 11	0.00	0.02	0.00	2
Chlordane	ID001	1	2B	PS	55 / 1	107 / 1	0.00	0.04	0.00	2
Chlordane	ID001	1	2B	PS	55 / 1	107 / 3	0.00	0.02	0.00	2
DDT	ID001	1	2B	PS	55 / 17	107 / 19	0.00	0.54	0.02	2
DDT	ID001	1	2B	PS	55 / 7	107 / 9	0.00	0.76	0.02	2
Dicamba	ID001	1	2B	PS	55 / 17	107 / 21	0.00	0.49	0.02	2
Dieldrin	ID001	1	2B	PS	55 / 33	107 / 51	0.00	0.09	0.01	2
Heptachlor	ID001	1	2B	PS	55 / 1	107 / 1	0.00	0.02	0.00	2
Hexachlorobenzene	ID001	1	2B	PS	55 / 3	107 / 3	0.00	0.01	0.00	2
Lindane	ID001	1	2B	PS	55 / 2	107 / 2	0.00	0.08	0.00	2
Malathion	ID001	1	2B	PS	55 / 1	107 / 1	0.00	5.20	0.03	2
Methyl parathion	ID001	1	2B	PS	55 / 1	107 / 1	0.00	0.01	0.00	2
PCNB	ID001	1	2B	PS	55 / 19	107 / 33	0.00	0.22	0.02	2
PCP	ID001	1	2B	PS	55 / 40	107 / 65	0.00	0.05	0.01	2
Silvex	ID001	1	2B	PS	55 / 9	107 / 11	0.00	0.62	0.01	2
Triallate	ID001	1	2B	PS	51 / 8	98 / 9	0.00	0.13	0.01	2

STATE: IL

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
Alachlor	IL001	1	5B	NFU	25 / 19	25 / 19	0.02	0.33	0.16	5

PESTICIDES IN GROUND WATER DATA BASE
POSITIVES BY STATE BY CHEMICAL

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
Alachlor	IL003	1	B	NFU	368 / 2	368 / 2	0.01	6.50	3.30	1
Aldrin	IL001	1	5B	NFU	25 / 7	25 / 7	0.01	0.11	0.04	5
Atrazine	IL002	1	125	NFU	28 / 8	79 / 12	1.07	7.30	3.27	0
Atrazine	IL003	1	B	NFU	368 / 3	368 / 3	0.40	2.50	1.30	1
Atrazine	WI007	2	017	SPS	-9 / 1	-9 / -9	-9.00	4.80	-9.00	0
Chlordane	IL001	1	5B	NFU	25 / 21	25 / 21	0.01	0.06	0.03	5
Chlorpyrifos	IL001	1	5B	NFU	25 / 18	25 / 18	0.01	0.09	0.05	5
Cyanazine	IL001	1	5B	NFU	25 / 10	25 / 10	0.01	0.08	0.03	5
DDT	IL001	1	5B	NFU	25 / 18	25 / 18	0.01	0.05	0.03	5
Diazinon	IL001	1	5B	NFU	25 / 6	25 / 6	0.01	0.08	0.05	5
Dieldrin	IL002	1	125	NFU	28 / 12	111 / 26	0.00	0.08	0.10	0
Endrin	IL002	1	125	NFU	28 / 16	111 / 61	0.00	0.67	0.02	0
Heptachlor	IL001	1	5B	NFU	25 / 16	25 / 16	0.04	0.81	0.19	5
Lindane	IL001	1	5B	NFU	25 / 3	25 / 3	0.01	0.20	0.07	5
Metolachlor	IL003	1	B	NFU	368 / 1	368 / 1	0.00	6.00	6.00	1
Metolachlor	WI007	2	017	SPS	-9 / 1	-9 / -9	-9.00	10.00	-9.00	0
Metribuzin	IL001	1	5B	NFU	25 / 19	25 / 19	0.01	0.18	0.08	5
Metribuzin	IL002	1	125	NFU	28 / 7	79 / 11	0.01	0.11	0.05	0
Metribuzin	IL003	1	B	NFU	368 / 1	368 / 1	0.00	0.60	0.60	1
Propachlor	IL002	1	125	NFU	28 / 2	79 / 2	0.22	2.98	1.60	0
Simazine	IL002	1	125	NFU	28 / 8	79 / 12	1.07	7.30	3.27	0
Trifluralin	IL001	1	5B	NFU	25 / 8	25 / 8	0.08	1.70	0.74	5
Trifluralin	IL002	1	125	NFU	28 / 9	79 / 14	0.01	0.14	0.03	0
STATE: IN -----										
Alachlor	IN001	1	9B	N/A	24 / 1	25 / 2	1.10	2.80	-9.00	0
STATE: KS -----										
2,4,5-T	KS001	2	201	N/A	1 / 1	1 / 1	0.00	1.10	1.10	1
2,4-D	KS001	1	N/A	N/A	-9 / 1	-9 / 1	0.00	0.80	0.80	1
2,4-D	KS001	2	121	N/A	1 / 1	2 / 1	0.00	22.00	22.00	1
2,4-D	KS001	2	201	N/A	1 / 1	1 / 1	0.00	1.30	1.30	1
Alachlor	KS001	2	103	SFU	1 / 1	2 / 2	2.40	6.20	4.30	1
Alachlor	KS001	2	133	N/A	1 / 1	2 / 2	0.88	1.80	1.34	1
Alachlor	KS001	3	117	N/A	1 / 1	2 / 1	0.00	0.39	0.30	1
Alachlor	KS001	3	117	N/A	1 / 1	2 / 1	0.00	0.69	0.69	1
Alachlor	KS001	3		SPS	1 / 1	2 / 2	0.90	1.40	1.15	1
Alachlor	KS001	3	079	SPS	1 / 1	2 / 2	6.00	12.00	9.00	1
Alachlor	KS001	3	149	SPS	1 / 1	2 / 1	0.00	1.80	1.80	1
Atrazine	KS001	1	N/A	N/A	-9 / 1	-9 / 1	0.00	2.10	2.10	1
Atrazine	KS001	1	N/A	N/A	-9 / 1	-9 / 1	0.00	1.20	1.20	1
Atrazine	KS001	1	N/A	N/A	-9 / 1	-9 / 1	0.00	2.50	2.50	1
Atrazine	KS001	2	039	SFU	1 / 1	2 / 2	7.40	40.00	23.70	1
Atrazine	KS001	2	039	SFU	1 / 1	2 / 2	7.40	40.00	23.70	1
Atrazine	KS001	2	027	N/A	1 / 1	2 / 2	3.40	4.60	4.00	1

PESTICIDES IN GROUND WATER DATA BASE
POSITIVES BY STATE BY CHEMICAL

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS	SAMPLES	CONCENTRATIONS (PPB)			CONFIRM RATING
					NO. / POS.	NO. / POS.	MINIMUM	MAXIMUM	MEAN	
Atrazine	KS001	2	085	SFU	1 / 1	2 / 2	4.10	4.10	4.10	1
Atrazine	KS001	2	117	N/A	1 / 1	2 / 2	1.50	3.10	2.30	1
Atrazine	KS001	3	117	N/A	1 / 1	2 / 1	0.00	1.60	1.60	1
Atrazine	KS001	3	163	N/A	1 / 1	1 / 1	0.00	1.80	1.80	1
Atrazine	KS001	3		SPS	1 / 1	2 / 2	3.40	5.30	4.35	1
Atrazine	KS001	3		N/A	1 / 1	2 / 1	0.00	2.20	2.20	1
Atrazine	KS001	3	079	SPS	1 / 1	2 / 2	11.00	16.00	13.50	1
Atrazine	KS001	3	149	SPS	1 / 1	2 / 1	0.00	1.70	1.70	1
Atrazine	KS001	3	149	SPS	1 / 1	2 / 1	0.00	2.00	2.00	1
Atrazine	KS001	3		SFU	1 / 1	1 / 1	0.00	1.70	1.70	1
Atrazine	KS001	3	041	SFU	1 / 1	1 / 1	0.00	5.60	5.60	1
Atrazine	KS001	3	015	SFU	1 / 1	1 / 1	0.00	16.00	16.00	1
Atrazine	KS001	3	155	N/A	1 / 1	1 / 1	0.00	3.20	3.20	1
Atrazine	KS002	1	N/A	SFU	84 / 2	84 / 2	1.40	2.20	1.80	1
Atrazine	KS002	2	193	SPS	56 / 1	57 / 2	-9.00	1470.00	-9.00	1
Bromacil	KS001	3	191	N/A	1 / 1	2 / 1	0.00	1.10	1.10	1
Bromacil	KS001	3	079	SPS	1 / 1	2 / 2	3.30	5.50	4.40	1
Bromacil	KS001	3	079	N/A	1 / 1	2 / 2	16.00	17.00	16.50	1
Bromacil	KS001	3	149	SPS	1 / 1	2 / 1	0.00	1.20	1.20	1
Bromacil	KS001	3	043	N/A	1 / 1	1 / 1	0.00	0.38	0.38	1
Bromacil	KS001	3	041	N/A	1 / 1	1 / 1	0.00	9.50	9.50	1
Chlordane	KS001	2	139	N/A	1 / 1	2 / 2	0.31	0.33	0.32	1
Chlordane	KS001	2	121	N/A	1 / 1	2 / 2	6.90	7.90	7.40	1
Chlordane	KS001	2	133	N/A	1 / 1	2 / 2	0.47	0.58	0.53	1
Dieldrin	KS001	2	133	N/A	1 / 1	2 / 2	0.10	0.11	0.11	1
Dieldrin	KS001	2	115	N/A	1 / 1	2 / 2	0.22	0.26	0.24	1
Endosulfan	KS001	2	021	SDC	1 / 1	2 / 2	0.03	0.06	0.04	1
Endosulfan	KS001	2	021	SDC	1 / 1	2 / 1	0.00	0.03	0.03	1
Heptachlor	KS001	2	133	N/A	1 / 1	2 / 2	0.02	0.03	0.03	1
Metolachlor	KS001	3	027	N/A	1 / 1	1 / 1	0.00	0.61	0.61	1
Metolachlor	KS001	3		SPS	1 / 1	2 / 2	0.34	1.50	0.92	1
Metolachlor	KS001	3	079	SPS	1 / 1	2 / 2	1.00	1.60	1.30	1
Metolachlor	KS001	3	015	SPS	1 / 1	1 / 1	0.00	4.60	4.60	1
Metolachlor	KS001	3	155	N/A	1 / 1	1 / 1	0.00	4.90	4.90	1
Metolachlor	KS002	2	193	SPS	56 / 1	57 / 1	-9.00	150.00	-9.00	3
Metribuzin	KS001	2	103	SFU	1 / 1	2 / 1	0.00	0.15	0.15	1
Metribuzin	KS001	3	079	SPS	1 / 1	2 / 2	0.16	0.18	0.17	1
Metribuzin	KS001	3	015	SPS	1 / 1	1 / 1	0.00	2.10	2.10	1
Metribuzin	KS001	3	155	N/A	1 / 1	1 / 1	0.00	0.13	0.13	1
Picloram	KS001	2	053	N/A	1 / 1	2 / 2	3.30	5.60	4.45	1
Propazine	KS002	2	193	SPS	56 / 1	57 / 2	-9.00	2.50	-9.00	1
Trifluralin	KS001	2	103	SFU	1 / 1	2 / 2	0.37	2.20	1.28	1
Trifluralin	KS001	2	013	N/A	1 / 1	2 / 2	0.53	3.70	2.12	1
Trifluralin	KS001	2	013	N/A	1 / 1	2 / 2	2.70	5.40	4.05	1

STATE: LA

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS	SAMPLES	CONCENTRATIONS (PPB)			CONFIRM RATING
					NO. / POS.	NO. / POS.	MINIMUM	MAXIMUM	MEAN	
Alachlor	LA001	1	128	NFU	12 / 1	-9 / -9	0.00	0.28	-9.00	1

PESTICIDES IN GROUND WATER DATA BASE
POSITIVES BY STATE BY CHEMICAL

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS	SAMPLES	CONCENTRATIONS (PPB)			CONFIRM RATING
					NO. / POS.	NO. / POS.	MINIMUM	MAXIMUM	MEAN	
Cyanazine	LA001	1	12B	NFU	12 / 1	-9 / -9	0.00	0.18	-9.00	1
STATE: MA										
1,2-D	MA001	1	B	NFU	239 / 82	239 / 82	0.03	51.00	-9.00	1
2,4-D	MA002	1	001	NFU	17 / 1	60 / 1	0.00	0.34	0.34	0
2,4-Dichlobenzoic ac	MA002	1	001	NFU	17 / 10	60 / 21	0.21	32.00	4.29	0
Alachlor	MA001	1	B	NFU	147 / 5	147 / 5	0.20	4.40	-9.00	1
Aldicarb	MA001	1	B	NFU	146 / 59	146 / 59	1.00	44.20	-9.00	1
Aldicarb	MA901	1	6B	NFU	52 / 16	53 / -9	1.00	41.10	21.10	0
Aldicarb	MA901	1	6B	NFU	162 / 41	190 / -9	1.00	60.00	11.60	0
Aldicarb	MA901	1	6B	NFU	84 / 11	117 / -9	1.00	27.00	10.20	0
Aldicarb	MA902	1		NFU	22 / 12	131 / 27	1.00	23.00	7.40	0
Carbofuran	MA001	1	B	NFU	146 / 23	146 / 23	1.00	36.60	-9.00	1
Chlordane	MA002	1	001	NFU	17 / 7	59 / 14	0.13	3.63	0.88	0
Chlorothalonil	MA002	1	001	NFU	17 / 2	59 / 2	0.22	0.38	0.30	0
Chlorpyrifos	MA002	1	001	NFU	17 / 1	59 / 1	0.00	0.10	0.10	0
Dacthal	MA002	1	001	NFU	17 / 3	119 / 4	0.21	1.07	0.46	0
Dicamba	MA002	1	001	NFU	17 / 1	60 / 1	0.00	0.06	0.06	0
Dinoseb	MA001	1	B	NFU	147 / 10	147 / 10	0.36	36.70	-9.00	1
EDB	MA001	1	B	NFU	239 / 36	239 / 36	0.03	6.90	-9.00	1
Heptachlor	MA002	1	001	NFU	17 / 4	59 / 8	0.03	0.12	0.05	0
Isofenphos	MA002	1	001	NFU	17 / 1	59 / 1	0.00	1.17	1.17	0
Oxamyl	MA001	1	B	NFU	146 / 1	146 / 1	0.00	1.00	-9.00	1
TCP	MA002	1	001	NFU	17 / 1	60 / 2	0.10	0.76	0.43	0
STATE: MD										
1,2-D	MD001	1	045	NFU	36 / 10	48 / 23	1.00	440.00	67.60	0
1,2-D	MD002	1	N/A	NFU	6 / 4	6 / 4	6.00	53.00	26.75	0
Alachlor	MD003	1	3B	NFU	30 / 4	36 / 4	0.10	0.80	0.40	1
Alachlor	MD004	1	033	NFU	15 / 15	107 / 20	0.00	1.00	0.33	1
Atraton	MD003	1	1B	NFU	30 / 1	36 / 1	0.00	0.10	0.10	1
Atrazine	MD003	1	3B	NFU	30 / 3	36 / 3	0.40	0.90	0.60	1
Atrazine	MD004	1	033	NFU	15 / 15	166 / 125	0.00	9.50	1.96	1
Cyanazine	MD004	1	033	NFU	15 / 12	123 / 16	0.00	3.60	0.63	1
DBCP	MD001	1	045	NFU	36 / 3	48 / 9	2.00	13.00	6.20	0
DBCP	MD002	1	N/A	NFU	6 / 3	6 / 3	6.00	12.00	9.00	0
Simazine	MD003	1	1B	NFU	30 / 1	36 / 1	0.00	0.10	0.10	1
Trifluralin	MD003	1	8B	NFU	30 / 1	36 / 1	0.00	0.10	0.10	1
STATE: ME										
Alachlor	ME002	1		SFU	88 / 1	159 / 1	0.00	0.19	0.19	2
Aldicarb	ME901	1	003	NFU	98 / 194	283 / 516	0.00	77.00	-9.00	0
Aldicarb	ME901	1	019	NFU	47 / 28	125 / 39	0.00	59.00	-9.00	0
Aldicarb	ME902	1	2B	NFU	48 / 20	48 / 20	2.00	14.00	7.20	0

PESTICIDES IN GROUND WATER DATA BASE
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CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
Aldicarb	US900	13	003	NFU	4 / 3	4 / 3	1.00	23.00	14.70	0
Atrazine	ME002	1		SFU	88 / 1	159 / 1	0.00	0.40	0.40	2
Chlorothalonil	ME002	1		SFU	88 / 1	159 / 1	0.00	0.02	0.02	2
Dicamba	ME002	1		SFU	71 / 1	126 / 1	0.00	1.10	1.10	2
Dinoseb	ME002	1		SFU	88 / 7	159 / 8	0.06	2.30	0.67	2
ETU	ME002	1		SFU	24 / 3	24 / 3	3.10	4.60	3.90	5
Endosulfan	ME002	1		SFU	88 / 2	159 / 2	0.22	0.40	0.31	2
Hexazinone	ME002	1		SFU	88 / 2	159 / 2	7.00	9.00	8.00	2
Methamidophos	ME002	1		SFU	38 / 9	45 / 10	0.09	10.50	4.80	2
Metribuzin	ME002	1		SFU	88 / 4	159 / 4	0.01	0.66	0.16	2
Picloram	ME002	1		SFU	88 / 1	159 / 1	0.00	1.40	1.40	2
STATE: MI										
Atrazine	MI001	1	059	NFU	7 / 6	35 / 12	1.00	210.00	44.38	0
Atrazine	MI001	1	149	NFU	17 / 4	19 / 6	15.00	107.00	39.50	0
Simazine	MI001	1	059	NFU	7 / 3	35 / 5	1.00	16.00	7.60	0
Simazine	MI001	1	149	NFU	17 / 1	19 / 1	0.00	11.00	11.00	0
STATE: MN										
2,4,5-T	MN002	2	70B	N/A	400 / 1	525 / 1	0.00	0.21	0.21	1
2,4-D	MN002	2	70B	N/A	400 / 7	525 / 12	0.07	5.70	0.22	1
Alachlor	MN002	1	35B	N/A	100 / 8	400 / 9	0.16	2.81	0.37	1
Alachlor	MN002	2	70B	N/A	400 / 8	525 / 14	0.07	4.03	0.44	1
Aldicarb	MN002	1	35B	N/A	21 / 2	54 / 5	0.50	30.60	9.00	1
Atrazine	MN002	1	35B	N/A	100 / 47	400 / 112	0.01	42.40	0.38	1
Cyanazine	MN002	1	35B	N/A	100 / 3	400 / 3	0.18	2.90	0.22	1
Cyanazine	MN002	2	70B	N/A	400 / 1	525 / 1	0.00	0.80	0.80	1
Dicamba	MN002	1	35B	N/A	100 / 1	400 / 4	0.53	0.86	0.66	1
Dicamba	MN002	2	70B	N/A	400 / 3	525 / 6	0.05	0.21	0.10	1
EPTC	MN002	2	70B	N/A	400 / 1	525 / 1	0.00	0.33	0.33	1
MCPA	MN002	2	70B	N/A	400 / 2	525 / 4	0.13	2.20	0.26	1
Metolachlor	MN002	2	70B	N/A	400 / 2	525 / 2	0.30	0.55	0.42	1
Metribuzin	MN002	1	35B	N/A	100 / 4	400 / 4	0.12	0.78	0.41	1
Metribuzin	MN002	2	70B	N/A	400 / 2	525 / 3	0.10	1.05	0.23	1
PCP	MN002	1	35B	N/A	100 / 3	400 / 3	0.42	0.64	0.58	1
Picloram	MN002	2	70B	N/A	400 / 3	525 / 5	0.08	0.63	0.16	1
Propachlor	MN002	2	70B	N/A	400 / 2	525 / 2	0.20	0.50	0.35	1
Simazine	MN002	1	35B	N/A	100 / 1	400 / 4	0.49	2.58	1.40	1
STATE: MS										
2,4-D	MS001	1	10B	NFU	143 / 2	143 / 2	7.90	49.50	2.70	1
Aldrin	MS001	1	10B	NFU	143 / 1	143 / 1	0.00	0.01	0.00	1
Arochlor	MS001	1	10B	N/A	143 / 2	143 / 2	269.00	2300.00	1285.00	1
BHC	MS001	1	10B	NFU	143 / 6	143 / 6	1.40	4.25	2.70	1

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CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS	SAMPLES	CONCENTRATIONS (PPB)			CONFIRM RATING
					NO. / POS.	NO. / POS.	MINIMUM	MAXIMUM	MEAN	
Chlordane	MS001	1	10B	NFU	143 / 2	143 / 2	1.60	1.80	1.70	1
DDT	MS001	1	10B	NFU	143 / 3	143 / 3	2.00	5.50	3.30	1
DDT	MS001	1	10B	NFU	143 / 4	143 / 4	6.00	402.00	108.00	1
Diazinon	MS001	1	10B	NFU	143 / 7	143 / 7	12.00	478.00	162.00	1
Hexachlorobenzene	MS001	1	10B	SFU	143 / 4	143 / 4	3.90	5.60	4.70	1
Lindane	MS001	1	10B	NFU	143 / 5	143 / 5	0.60	47.00	11.10	1
Malathion	MS001	1	10B	NFU	143 / 2	143 / 2	30.00	53.00	41.50	1
Methyl parathion	MS001	1	10B	NFU	143 / 6	143 / 6	10.00	256.00	88.40	1
PCP	MS001	1	10B	N/A	143 / 101	143 / 101	2.20	149.00	18.30	1
TDE	MS001	1	10B	NFU	143 / 2	143 / 2	3.30	6.20	4.80	1
Toxaphene	MS001	1	10B	NFU	143 / 2	143 / 2	150.00	4910.00	3205.00	1
Trifluralin	MS001	1	10B	NFU	143 / 1	143 / 1	-9.00	-9.00	-9.00	1
p-Nitrophenol	MS001	1	10B	SFU	143 / 3	143 / 3	4.00	20.00	12.80	1
STATE: MT										
2,4-D	MT001	5	099	NFU	13 / 4	50 / 5	0.11	0.39	0.23	0
2,4-D	MT001	6	111	NFU	10 / 1	11 / 1	0.00	1.70	1.70	0
Aldicarb	MT001	6	111	NFU	16 / 1	17 / 2	-9.00	-9.00	-9.00	0
Aldicarb	MT001	8	009	NFU	14 / 6	25 / 10	0.00	2.90	1.12	0
Dicamba	MT001	5	099	NFU	13 / 5	50 / 6	0.06	3.00	0.82	0
MCPA	MT001	5	099	NFU	13 / 3	50 / 3	0.36	5.50	2.88	0
Picloram	MT001	5	099	NFU	13 / 2	50 / 7	0.06	16.00	2.67	0
STATE: NC										
Aldicarb	NC901	1	8B	NFU	18 / 3	18 / 3	1.50	1.50	1.50	1
Aldicarb	NC901	1	8B	NFU	32 / 5	90 / 8	1.00	28.20	8.90	1
Aldicarb	US900	15	131	NFU	2 / 2	2 / 2	0.50	0.50	0.50	0
Aldicarb	US901	8	2B	NFU	19 / 1	19 / 1	0.00	2.00	2.00	0
Atrazine	NC001	1	081	SPS	5 / 2	-9 / -9	20.00	212.00	140.00	0
Metalaxyl	NC002	1	065	N/A	-9 / -9	11 / 3	0.27	1.40	1.00	0
STATE: ND										
Alachlor	ND004	1	021	NFU	95 / 1	171 / 3	0.20	1.20	0.83	0
Parathion	ND001	1	52B	NFU	45 / 2	45 / 2	0.02	0.04	0.03	1
Picloram	ND001	1	52B	NFU	92 / 7	92 / 7	0.08	1.44	0.43	1
Picloram	ND002	1	079	NFU	126 / 11	137 / 15	0.02	3.56	0.40	0
Picloram	ND002	1	079	SPS	126 / 11	137 / 15	0.02	3.56	0.40	1
Picloram	ND003	1	5B	N/A	188 / 7	486 / 19	0.10	12.80	3.40	1
Trifluralin	ND001	1	52B	SPS	1 / 1	1 / 1	0.00	0.03	0.03	1
STATE: NE										
Alachlor	NE001	1	4B	SPS	47 / 1	47 / 1	0.01	0.02	0.01	1
Alachlor	NE002	2	12B	NFU	14 / 2	14 / 2	0.02	0.07	0.04	1

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CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS	SAMPLES	CONCENTRATIONS (PPB)			CONFIRM RATING
					NO. / POS.	NO. / POS.	MINIMUM	MAXIMUM	MEAN	
Alachlor	NE002	2	12B	NFU	17 / 2	34 / 2	0.01	0.07	0.04	1
Alachlor	NE003	1	047	NFU	451 / 1	451 / 1	0.00	0.82	0.82	1
Alachlor	NE005	1	107	NFU	491 / 1	491 / 1	0.00	0.95	0.95	1
Alachlor	NE005	1	179	NFU	491 / 1	491 / 1	0.00	2.96	2.96	1
Alachlor	NE005	1	037	NFU	491 / 1	491 / 1	0.00	20.60	20.60	1
Aldicarb	NE901	1		NFU	15 / 1	111 / 1	0.00	3.00	3.00	0
Atrazine	NE001	1	4B	SPS	47 / 13	47 / 13	0.01	1.12	0.08	1
Atrazine	NE002	1	12B	NFU	57 / 18	57 / 18	0.10	2.30	-9.00	1
Atrazine	NE002	2	12B	NFU	14 / 14	14 / 14	0.38	3.12	0.75	1
Atrazine	NE002	2	12B	NFU	18 / 16	18 / 16	0.30	6.96	1.15	1
Atrazine	NE002	2	12B	NFU	21 / 21	116 / 116	0.05	2.02	0.39	1
Atrazine	NE002	2	12B	NFU	21 / 21	40 / 40	0.01	0.99	0.25	1
Atrazine	NE002	2	12B	NFU	16 / 4	22 / 4	0.02	0.10	0.06	1
Atrazine	NE002	2	12B	NFU	17 / 17	59 / 46	0.02	14.72	1.02	1
Atrazine	NE003	1	065	NFU	451 / 1	451 / 1	0.00	0.41	0.41	1
Atrazine	NE003	1	099	NFU	451 / 1	451 / 1	0.00	0.32	0.32	1
Atrazine	NE003	1	063	NFU	451 / 1	451 / 1	0.00	0.16	0.16	1
Atrazine	NE003	1	047	NFU	451 / 6	451 / 6	0.12	0.65	0.47	1
Atrazine	NE003	1	019	NFU	451 / 4	451 / 4	0.41	3.70	2.30	1
Atrazine	NE003	1	137	N/A	451 / 3	451 / 3	0.20	107.20	36.10	1
Atrazine	NE003	1	083	NFU	451 / 1	451 / 1	0.00	0.23	0.23	1
Atrazine	NE004	1	121	NFU	399 / 8	399 / 8	0.30	6.24	1.80	1
Atrazine	NE004	1	157	NFU	399 / 1	399 / 1	0.00	0.82	0.82	1
Atrazine	NE004	1	047	NFU	399 / 2	399 / 2	1.43	2.00	1.20	1
Atrazine	NE004	1	001	NFU	399 / 2	399 / 2	0.10	0.90	0.40	1
Atrazine	NE004	1	035	NFU	399 / 5	399 / 5	0.10	0.50	0.30	1
Atrazine	NE004	1	081	NFU	399 / 6	399 / 6	0.10	0.50	0.30	1
Atrazine	NE004	1	089	NFU	399 / 4	399 / 4	0.40	22.70	4.90	1
Atrazine	NE004	1	079	NFU	399 / 7	399 / 7	0.62	3.00	1.60	1
Atrazine	NE005	1	107	NFU	491 / 1	491 / 1	0.00	0.36	0.36	1
Atrazine	NE005	1	167	NFU	491 / 1	491 / 1	0.00	0.17	0.17	1
Atrazine	NE005	1	177	NFU	491 / 1	491 / 1	0.00	0.58	0.58	1
Atrazine	NE005	1	143	NFU	491 / 7	491 / 7	0.13	1.70	0.50	1
Atrazine	NE005	1	185	NFU	491 / 6	491 / 6	0.23	1.40	0.50	1
Atrazine	NE005	1	159	NFU	491 / 7	491 / 7	0.27	1.56	0.70	1
Atrazine	NE005	1	059	NFU	491 / 1	491 / 1	0.00	0.21	0.21	1
Atrazine	NE005	1	151	NFU	491 / 3	491 / 3	0.16	0.23	0.20	1
Atrazine	NE005	1	169	NFU	491 / 1	491 / 1	0.00	0.57	0.57	1
Atrazine	NE005	1	047	NFU	491 / 4	491 / 4	0.30	0.50	0.35	1
Cyanazine	NE003	1	047	NFU	451 / 1	451 / 1	0.00	3.20	3.20	1
Dieldrin	NE002	2	12B	NFU	17 / 1	34 / 1	0.00	0.01	-9.00	1
Fonofos	NE003	1	061	NFU	451 / 1	451 / 1	0.00	0.06	0.06	1
Propazine	NE002	1	12B	NFU	57 / 2	57 / 2	0.00	0.10	0.10	1
Simazine	NE002	1	12B	NFU	57 / 1	57 / 1	0.00	0.10	0.10	1
Trifluralin	NE003	1	019	NFU	451 / 1	451 / 1	0.00	0.42	0.42	1
STATE: NJ										

Aldicarb	NJ901	1	2B	NFU	46 / 2	68 / 4	3.10	31.00	14.30	5

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CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
Aldicarb	NJ902	1	3B	NFU	3 / 2	3 / 2	4.00	50.00	27.00	0
Aldicarb	NJ902	1	3B	NFU	6 / 1	6 / 1	0.00	3.00	3.00	0
Atrazine	NJ002	1	2B	SFU	66 / 3	66 / 3	0.10	0.50	-9.00	1
DDT	NJ002	1	2B	SFU	66 / 1	66 / 1	0.00	0.07	0.07	1
Dieldrin	NJ002	1	2B	SFU	66 / 1	66 / 1	0.00	0.02	0.02	1
Lindane	NJ002	1	2B	SFU	66 / 1	66 / 1	0.00	0.05	0.05	1
Simazine	NJ002	1	2B	SFU	66 / 2	66 / 2	0.10	0.10	0.10	1

STATE: NM

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
BHC	NM001	1	001	NFU	-9 / -9	-9 / -9	-9.00	-9.00	-9.00	0
DDT	NM001	1	001	NFU	-9 / -9	-9 / 9	-9.00	-9.00	-9.00	0
DDT	NM001	1	001	NFU	-9 / -9	-9 / 9	-9.00	-9.00	-9.00	0
PCP	NM001	1	37B	NFU	-9 / -9	-9 / -9	-9.00	-9.00	-9.00	0

STATE: NY

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	CONCENTRATIONS (PPB) MAXIMUM	CONCENTRATIONS (PPB) MEAN	CONFIRM RATING
1,2-D	NY006	1	103	NFU	8 / 1	72 / 4	5.00	10.00	7.75	1
1,2-D	NY009	1	103	SFU	-9 / -9	3500 / 250	1.00	550.00	-9.00	1
1,3-D	NY006	1	103	NFU	8 / 1	72 / 4	37.00	270.00	123.00	1
1,3-D	NY007	1	103	N/A	1 / 1	1 / 1	0.00	130.00	130.00	0
1,3-D	NY008	1	103	N/A	1 / 1	1 / 1	0.00	72.00	72.00	0
2,4-D	NY003	1	4B	N/A	51 / 4	51 / 4	0.50	0.56	-9.00	0
2,4-D	NY010	1	19B	-9	48 / 2	-9 / -9	0.20	0.50	-9.00	0
Alachlor	NY004	1	083	PS	17 / 15	58 / 42	0.04	16.00	1.78	2
Alachlor	NY009	2	103	N/A	-9 / -9	36 / 1	0.00	0.80	0.80	0
Alachlor	NY010	1	19B	-9	48 / 1	-9 / -9	0.80	0.80	0.80	0
Aldicarb	NY002	2	103	NFU	-9 / 2	-9 / 2	-9.00	-9.00	-9.00	5
Aldicarb	NY009	1	103	SFU	-9 / -9	34000 / 0	1.00	315.00	18.30	1
Aldicarb	NY901	1	101	NFU	28 / 3	28 / 3	1.00	2.00	1.30	3
Aldicarb	NY901	1	117	NFU	9 / 1	9 / 1	0.00	2.00	2.00	3
Aldicarb	NY901	1	019	NFU	2 / 2	2 / 2	5.00	6.00	5.50	3
Aldicarb	NY901	1	033	NFU	14 / 5	14 / 5	2.00	30.00	9.80	3
Aldicarb	NY901	1	029	NFU	16 / 8	18 / 10	2.00	32.00	9.20	3
Aldicarb	NY902	1	103	NFU	170 / 122	510 / 270	1.00	217.00	33.20	5
Aldicarb	NY903	1	117	NFU	25 / 12	219 / 30	1.00	111.00	25.40	0
Aldicarb	US900	14	117	NFU	4 / 1	4 / 1	0.00	1.00	1.00	0
Aldrin	NY009	2	103	N/A	-9 / -9	170 / 1	0.00	0.53	0.53	0
Atrazine	NY004	1	083	PS	27 / 25	99 / 82	0.12	1500.00	55.20	2
Atrazine	WI007	3	115	SPS	1 / 1	2 / 2	70.00	170.00	120.00	0
Carbaryl	NY009	2	103	N/A	-9 / -9	25000 / 36	-9.00	-9.00	-9.00	0
Carbofuran	NY009	1	103	SFU	-9 / -9	26000 /7000	1.00	176.00	7.00	1
Chlorothalonil	NY009	1	103	SFU	-9 / -9	67 / 11	1.10	12.60	-9.00	1
Cryolite	NY009	2	103	N/A	-9 / -9	99 / 7	0.30	1.79	-9.00	0
Cyanazine	NY004	1	083	PS	10 / 1	17 / 1	0.00	1.00	1.00	2
Dacthal	NY009	1	103	SFU	-9 / -9	213 / 56	1.00	1039.00	109.00	1
Dinoseb	NY009	1	103	SFU	-9 / -9	66 / 6	0.60	4.50	-9.00	1

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CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO.	/ POS.	SAMPLES NO.	/ POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
EDB	NY009	1	103	SFU	-9	-9	5000	15	0.40	14.00	-9.00	1
Endosulfan	NY003	1	4B	N/A	46	4	46	4	0.05	0.21	-9.00	0
Ethoprop	NY009	1	103	SFU	-9	-9	86	23	0.18	12.60	-9.00	1
Lindane	NY009	2	103	N/A	-9	-9	131	1	0.00	0.13	0.13	0
Methomyl	NY009	1	103	SFU	-9	-9	25000	80	1.00	9.00	-9.00	1
Methomyl	US001	2	075	NFU	4	1	32	1	-9.00	1.00	1.00	0
Metolachlor	NY004	1	083	PS	10	6	17	10	1.20	112.00	20.90	2
Metolachlor	WI007	3	115	SPS	1	1	1	1	0.00	200.00	200.00	0
Naled	NY009	2	103	N/A	-9	-9	32	6	3.00	7.00	-9.00	0
Oxamyl	NY009	1	103	SFU	-9	-9	25000	900	1.00	395.00	7.20	1
Paraquat	NY009	2	103	N/A	-9	-9	14	1	0.00	3.00	3.00	0
Picloram	NY009	2	103	N/A	-9	-9	11	1	0.00	0.50	0.50	0

STATE: OR

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO.	/ POS.	SAMPLES NO.	/ POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
Aldicarb	US900	7	059	NFU	1	1	1	1	-9.00	0.50	0.50	0
Dacthal	OR001	1	045	NFU	6	6	6	6	0.11	290.00	-9.00	0

STATE: PA

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO.	/ POS.	SAMPLES NO.	/ POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
Alachlor	PA001	1	2B	N/A	43	5	129	10	0.05	3.00	0.77	1
Alachlor	PA003	1	B	NFU	53	6	121	8	0.10	1.80	0.59	2
Alachlor	PA004	1	B	SPS	58	5	193	5	0.08	20.00	4.70	2
Atrazine	PA001	1	2B	N/A	43	18	129	35	0.20	3.00	0.56	1
Atrazine	PA002	1	B	NFU	20	14	38	22	0.01	1.11	0.17	1
Atrazine	PA003	1	B	NFU	53	21	121	29	0.20	3.00	0.54	2
Atrazine	PA004	1	B	SPS	58	26	193	92	0.10	11.00	0.34	2
Atrazine	PA005	1	011	N/A	1	1	3	3	0.82	20.00	7.71	1
Carbofuran	PA006	1	N/A	NFU	1	1	2	2	4.00	9.00	8.00	0
Cyanazine	PA002	1	B	NFU	20	2	38	2	0.00	0.09	0.09	1
Cyanazine	PA003	1	B	NFU	53	1	121	1	0.00	1.10	1.10	2
Metolachlor	PA001	1	2B	N/A	43	4	129	6	0.10	0.40	0.24	1
Metolachlor	PA003	1	B	NFU	53	4	121	5	0.20	0.41	0.27	2
Metolachlor	PA004	1	B	NFU	58	8	193	31	0.10	0.30	0.16	2
Metolachlor	PA005	1	011	N/A	1	1	3	3	1.20	48.00	17.66	1
Propazine	PA003	1	B	NFU	53	1	121	1	0.00	0.20	0.20	2
Simazine	PA001	1	2B	N/A	43	10	129	15	0.20	3.40	0.71	1
Simazine	PA002	1	B	NFU	20	7	38	9	0.01	0.17	0.04	1
Simazine	PA003	1	B	NFU	53	12	121	18	0.20	3.40	0.59	2

STATE: RI

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO.	/ POS.	SAMPLES NO.	/ POS.	MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
Aldicarb	RI901	1	009	NFU	11	7	32	21	9.00	148.00	64.57	1
Aldicarb	RI902	1	2B	N/A	474	52	493	-9	1.00	73.00	-9.00	0
Aldicarb	RI902	1	2B	N/A	212	48	214	-9	1.00	17.00	-9.00	0
Carbaryl	RI902	1	2B	N/A	100	1	100	1	0.00	4.00	4.00	0
Carbofuran	RI901	1	009	NFU	11	6	32	16	1.00	7.00	3.50	1

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
Carbofuran	RI902	1	2B	N/A	100 / 11	100 / 11	1.00	19.00	2.90	0
Oxamyl	RI901	1	009	NFU	11 / 4	32 / 5	1.00	2.00	1.33	1
Oxamyl	RI902	1	2B	N/A	100 / 1	100 / 1	0.00	2.00	2.00	0
STATE: SC										
Aldicarb	US900	16	049	NFU	2 / 2	2 / 2	0.50	1.00	0.75	0
Aldicarb	US902	1	027	NFU	8 / 2	10 / 3	1.00	2.00	1.67	0
Aldicarb	US902	1	075	NFU	13 / 1	14 / 2	3.00	4.00	3.50	0
Aldicarb	US902	1	033	NFU	13 / 1	14 / 1	0.00	3.00	3.00	0
Aldrin	SC001	1	043	NFU	27 / 23	27 / 23	-9.00	0.05	0.01	1
DBCP	SC002	1	B	N/A	81 / 13	95 / -9	0.01	1.00	-9.00	1
DDT	SC001	1	043	NFU	27 / 27	27 / 27	0.06	0.16	0.04	1
Lindane	SC001	1	043	NFU	27 / 15	27 / 15	-9.00	0.02	0.01	1
STATE: SD										
2,4-D	SD001	1	B	NFU	-9 / -9	-9 / -9	0.29	0.80	-9.00	0
Alachlor	SD001	1	B	NFU	-9 / -9	-9 / -9	0.36	6.70	-9.00	0
Atrazine	SD001	1	B	NFU	-9 / -9	-9 / -9	1.70	7.10	-9.00	0
Picloram	SD001	1	B	NFU	-9 / -9	-9 / -9	-9.00	8.30	-9.00	0
STATE: TX										
2,4,5-T	TX003	1	093	DC	75 / 1	80 / 2	2.66	2.99	2.85	1
2,4-DB	TX003	1	093	DC	75 / 1	80 / 1	0.00	0.23	0.23	1
Aldicarb	US900	9	3B	NFU	6 / 6	6 / 6	1.00	2.00	1.50	0
Arsenic	TX002	1	2B	N/A	102 / 53	341 / 236	28.00	585.00	105.00	2
Arsenic	TX002	2	B	N/A	61 / 1	61 / 1	0.00	33.00	33.00	2
Arsenic	TX002	3	219	N/A	6 / 4	6 / 4	10.00	13.00	11.80	2
Arsenic	TX002	3	303	N/A	12 / 5	12 / 5	10.00	17.00	12.40	2
Arsenic	TX002	3	003	N/A	2 / 2	2 / 2	32.00	35.00	33.50	2
Arsenic	TX002	3	317	N/A	2 / 1	2 / 1	0.00	100.00	100.00	2
Arsenic	TX002	3	165	N/A	2 / 2	2 / 2	15.00	16.00	15.50	2
Arsenic	TX002	3	305	N/A	2 / 1	2 / 1	0.00	12.00	12.00	2
Arsenic	TX002	3	445	N/A	2 / 1	2 / 1	0.00	33.00	33.00	2
Arsenic	TX002	3	437	N/A	2 / 1	2 / 1	0.00	15.00	15.00	2
Arsenic	TX002	3	375	N/A	2 / 2	2 / 2	13.00	16.00	14.50	2
Arsenic	TX002	3	045	N/A	4 / 1	4 / 1	0.00	17.00	17.00	2
Arsenic	TX002	3	011	N/A	1 / 1	1 / 1	0.00	11.00	11.00	2
Atrazine	TX003	1	207	N/A	75 / 1	80 / 2	4.90	20.90	12.50	1
Dicamba	TX003	1	207	N/A	75 / 1	80 / 1	0.00	0.88	0.88	1
Metolachlor	TX003	1	093	DC	75 / 1	80 / 1	0.00	5.50	5.50	1
Prometon	TX003	1	275	NFU	75 / 2	80 / 4	5.20	29.60	16.60	1
Tebuthiuron	TX001	1	309	NFU	2 / 2	16 / 13	0.00	380.00	276.67	0
STATE: VA										
2,4,5-T	VA002	1	2B	SFU	66 / 16	-9 / -9	-9.00	-9.00	-9.00	0

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
2,4-D	VA002	1	2B	SFU	66 / 14	-9 / -9	-9.00	-9.00	-9.00	0
Alachlor	VA002	1	2B	SFU	66 / 0	-9 / -9	-9.00	-9.00	-9.00	0
Aldicarb	US900	10	2B	NFU	7 / 4	7 / 4	0.50	1.00	0.60	0
Aldicarb	US901	6	001	NFU	9 / 4	26 / 11	1.00	20.00	10.00	0
Aldicarb	US901	7	3B	NFU	69 / 12	69 / 12	1.00	8.00	3.30	0
Azinphos-methyl	VA002	1	2B	SFU	66 / 15	-9 / -9	-9.00	-9.00	-9.00	0
DBCP	VA001	1	183	SPS	13 / 2	13 / 2	76.00	114.00	-9.00	5
Endosulfan	VA002	1	2B	SFU	66 / 29	-9 / -9	-9.00	-9.00	-9.00	0
Glyphosate	VA002	1	2B	SFU	66 / 6	-9 / -9	-9.00	-9.00	-9.00	0
Methyl parathion	VA002	1	2B	SFU	66 / 13	-9 / -9	-9.00	-9.00	-9.00	0
Paraquat	VA002	1	2B	SFU	66 / 0	-9 / -9	-9.00	-9.00	-9.00	0
Phosmet	VA002	1	2B	SFU	66 / 1	-9 / -9	-9.00	-9.00	-9.00	0
Simazine	VA002	1	2B	SFU	66 / 26	-9 / -9	-9.00	-9.00	-9.00	0

STATE: VT

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
Atrazine	VT002	1	001	NFU	39 / 1	43 / 5	7.10	15.40	9.50	1
Atrazine	VT002	1	005	NFU	20 / 1	22 / 1	0.00	3.40	3.40	1
Atrazine	VT002	1	009	SFU	21 / 1	22 / 1	0.00	1.10	0.00	1
Atrazine	VT002	1	017	SDC	1 / 1	-9 / -9	0.00	24.00	24.00	1
Atrazine	VT002	1	019	SFU	15 / 1	19 / 1	0.00	1.20	1.20	1
Atrazine	VT002	1	025	NFU	18 / 1	21 / 4	1.40	5.00	3.50	1
Atrazine	VT002	1	027	SFU	29 / 3	37 / 7	1.10	6.00	3.23	1
Atrazine	VT002	1	017	SFU	17 / 2	20 / 3	1.20	2.30	3.20	1
Cyanazine	VT002	1	027	SFU	29 / 1	31 / 1	0.00	7.00	7.00	1
Metolachlor	VT002	1	025	DC	18 / 1	21 / 1	0.00	3.20	3.20	1
Simazine	VT002	1	003	SFU	14 / 1	16 / 1	0.00	3.40	3.40	1
Simazine	VT002	1	009	SFU	21 / 1	22 / 1	0.00	2.80	2.80	1

STATE: WA

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
Aldicarb	US900	8	2B	NFU	2 / 1	2 / 1	0.00	1.00	1.00	0
EDB	WA001	1	5B	NFU	35 / 5	47 / 14	0.00	4.30	0.92	1
EDB	WA001	1	5B	NFU	14 / 3	20 / 7	0.00	1.37	0.50	1
EDB	WA001	1	5B	NFU	5 / 1	6 / 2	0.00	0.00	0.32	1
EDB	WA001	1	5B	PS	24 / 5	38 / 11	0.00	5.70	0.82	1

STATE: WI

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
Alachlor	WI001	1	N/A	NFU	26 / 1	26 / 1	0.00	1.00	1.00	0
Alachlor	WI003	1	B	NFU	42 / 9	147 / 30	0.10	113.00	19.60	1
Alachlor	WI006	1	B	SPS	733 / 60	733 / 60	0.40	3000.00	54.40	0
Aldicarb	US900	11	2B	NFU	16 / 16	31 / 28	0.50	10.00	2.90	0
Aldicarb	US901	3	097	NFU	188 / 34	218 / 39	-9.00	85.00	14.00	0
Aldicarb	US901	4	9B	NFU	169 / 23	235 / 81	1.00	111.00	21.00	0
Aldicarb	US901	5	2B	NFU	20 / 11	82 / 22	1.00	38.00	4.70	0
Aldicarb	WI001	1	N/A	NFU	53 / 33	53 / 33	1.00	10.00	5.60	0

PESTICIDES IN GROUND WATER DATA BASE
POSITIVES BY STATE BY CHEMICAL

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS	SAMPLES	CONCENTRATIONS (PPB)			CONFIRM RATING
					NO. / POS.	NO. / POS.	MINIMUM	MAXIMUM	MEAN	
Aldicarb	WI003	1	B	NFU	35 / 28	190 / 102	1.00	110.00	8.96	1
Aldicarb	WI901	1	22B	NFU	72 / 8	133 / 27	1.00	20.00	5.10	0
Aldicarb	WI901	1	22B	NFU	58 / 13	125 / 57	1.00	10.00	4.20	0
Aldicarb	WI901	1	22B	NFU	6 / 1	7 / 1	0.00	1.00	1.00	0
Aldicarb	WI901	1	22B	NFU	26 / 6	68 / 28	2.00	52.00	12.60	0
Aldicarb	WI901	1	22B	NFU	98 / 9	153 / 35	1.00	12.00	3.30	0
Aldicarb	WI901	1	22B	NFU	73 / 15	141 / 59	1.00	62.00	9.50	0
Aldicarb	WI901	1	22B	NFU	421 / 102	971 /4570	1.00	111.00	15.80	0
Aldicarb	WI901	1	22B	NFU	3 / 1	6 / 1	0.00	1.00	1.00	0
Aldicarb	WI901	1	22B	NFU	8 / 1	9 / 1	0.00	25.00	25.00	0
Aldicarb	WI901	1	22B	NFU	2 / 1	4 / 1	0.00	1.00	1.00	0
Aldicarb	WI901	1	22B	NFU	58 / 10	106 / 39	1.00	7.00	3.50	0
Aldicarb	WI901	1	22B	NFU	27 / 5	47 / 14	2.00	33.00	18.40	0
Aldicarb	WI901	1	22B	NFU	116 / 62	534 /4220	1.00	72.00	15.50	0
Aldicarb	WI902	1	N/A	NFU	176 / 103	3300 / 893	1.00	221.00	-9.00	0
Aldicarb	WI903	1	9B	NFU	-9 / 14	-9 / -9	-9.00	-9.00	-9.00	0
Aldicarb	WI903	1	9B	NFU	-9 / 1	-9 / -9	-9.00	-9.00	-9.00	0
Aldicarb	WI903	1	9B	NFU	-9 / 2	-9 / -9	-9.00	-9.00	-9.00	0
Aldicarb	WI903	1	9B	NFU	-9 / 11	-9 / -9	-9.00	-9.00	-9.00	0
Aldicarb	WI903	1	9B	NFU	-9 / 6	-9 / -9	-9.00	-9.00	-9.00	0
Aldicarb	WI903	1	9B	NFU	-9 / 1	-9 / -9	-9.00	-9.00	-9.00	0
Aldicarb	WI903	1	9B	NFU	-9 / 5	-9 / -9	-9.00	-9.00	-9.00	0
Aldicarb	WI903	1	9B	NFU	-9 / 3	-9 / -9	-9.00	-9.00	-9.00	0
Aldicarb	WI903	1	9B	NFU	-9 / 40	-9 / -9	-9.00	-9.00	-9.00	0
Aldicarb	WI904	1		NFU	16 / 6	16 / 6	1.00	8.00	4.00	0
Aldicarb	WI905	1	137	NFU	2 / 2	14 / 7	4.00	86.00	29.40	0
Aldicarb	WI905	1	137	NFU	1 / 1	7 / 6	8.00	144.00	62.00	0
Atrazine	US002	4	B	N/A	-9 / -9	349 / 50	-9.00	140.00	-9.00	0
Atrazine	WI001	1	N/A	NFU	26 / 8	26 / 8	1.00	9.00	3.30	0
Atrazine	WI002	1	38B	SPS	201 / 12	-9 / -9	-9.00	-9.00	1.75	0
Atrazine	WI002	2	38B	SPS	-9 / 25	-9 / -9	-9.00	-9.00	-9.00	0
Atrazine	WI003	1	B	NFU	39 / 18	161 / 76	0.10	33.00	5.40	1
Atrazine	WI004	1	049	PS	5 / 5	6 / 6	22.00	109.00	58.00	3
Atrazine	WI005	1	N/A	SPS	1 / 1	1 / 1	-9.00	550.00	-9.00	0
Atrazine	WI007	1	107	SPS	-9 / 1	-9 / -9	-9.00	3000.00	-9.00	0
Butylate	US002	4	B	N/A	-9 / -9	38 / 14	-9.00	2.90	-9.00	0
Butylate	WI002	1	38B	SPS	1 / 1	-9 / -9	-9.00	-9.00	2.90	0
Butylate	WI002	2	38B	SPS	-9 / 17	-9 / -9	-9.00	-9.00	-9.00	0
Carbaryl	WI001	1	N/A	SPS	53 / 2	-9 / -9	-9.00	-9.00	1.80	0
Carbofuran	US002	4	B	N/A	-9 / -9	78 / 2	-9.00	7.00	-9.00	0
Carbofuran	WI001	1	N/A	NFU	26 / 5	26 / 5	2.00	12.00	7.00	0
Carbofuran	WI002	1	38B	SPS	72 / 1	-9 / -9	-9.00	-9.00	15.00	0
Chloramben	US002	4	B	N/A	-9 / -9	29 / 2	-9.00	50.00	-9.00	0
Chloramben	WI002	1	38B	SPS	16 / 1	-9 / -9	-9.00	-9.00	50.00	0
Cyanazine	US002	4	B	N/A	-9 / -9	117 / 80	-9.00	-9.00	-9.00	0
Cyanazine	WI002	2	38B	SPS	-9 / 8	-9 / -9	-9.00	-9.00	-9.00	0
Dacthal	US002	4	B	N/A	-9 / -9	10 / 1	-9.00	-9.00	-9.00	0

PESTICIDES IN GROUND WATER DATA BASE
POSITIVES BY STATE BY CHEMICAL

CHEMICAL	REFERENCE NUMBER	SUB-REF NUMBER	COUNTY FIPS	ORIGIN	WELLS NO. / POS.	SAMPLES NO. / POS.	CONCENTRATIONS (PPB) MINIMUM	MAXIMUM	MEAN	CONFIRM RATING
Dacthal	WI002	1	38B	SPS	3 / 3	-9 / -9	-9.00	-9.00	254.60	0
Dacthal	WI002	2	38B	SPS	-9 / 1	-9 / -9	-9.00	-9.00	-9.00	0
Dinoseb	US002	4	B	N/A	-9 / -9	125 / 3	-9.00	5.50	-9.00	0
Dinoseb	WI001	1	N/A	NFU	26 / 9	26 / 9	26.00	74.00	46.20	0
Dinoseb	WI002	1	38B	SPS	103 / 2	-9 / -9	-9.00	-9.00	5.50	0
Disulfoton	WI001	1	N/A	NFU	26 / 14	26 / 14	4.00	100.00	36.30	0
EDB	WI002	1	38B	SPS	27 / 3	-9 / -9	-9.00	-9.00	4.23	0
EPTC	US002	4	B	N/A	-9 / -9	100 / 9	-9.00	-9.00	-9.00	0
EPTC	WI002	2	38B	SPS	-9 / 8	-9 / -9	-9.00	-9.00	-9.00	0
Linuron	WI001	1	N/A	NFU	26 / 1	26 / 1	0.00	3.00	3.00	0
Linuron	WI003	1	B	NFU	21 / -9	-9 / -9	1.30	2.70	1.90	1
Metolachlor	US002	4	B	N/A	-9 / -9	126 / 34	-9.00	88.00	-9.00	0
Metolachlor	WI002	1	38B	SPS	65 / 1	-9 / -9	-9.00	-9.00	55.00	0
Metolachlor	WI002	2	38B	SPS	-9 / 19	-9 / -9	-9.00	-9.00	-9.00	0
Metolachlor	WI003	1	B	NFU	31 / 8	104 / 28	0.20	12.00	4.00	1
Metolachlor	WI004	1	049	PS	5 / 5	6 / 6	1.80	157.00	65.60	3
Metolachlor	WI005	1	N/A	SPS	1 / 1	1 / 1	-9.00	8.70	-9.00	0
Metolachlor	WI007	1	107	SPS	-9 / 1	-9 / -9	-9.00	1300.00	-9.00	0
Metribuzin	US002	4	B	N/A	-9 / -9	104 / 1	-9.00	1.80	-9.00	0
Metribuzin	WI001	1	N/A	NFU	26 / 13	26 / 13	1.00	6.00	2.00	0
Metribuzin	WI002	1	38B	SPS	53 / 2	-9 / -9	-9.00	-9.00	1.80	0
Metribuzin	WI003	1	B	NFU	36 / 20	95 / 41	0.20	6.80	1.34	1
Picloram	WI003	1	B	NFU	9 / -9	-9 / -9	0.25	49.00	16.60	1
Simazine	WI004	1	049	PS	5 / 5	6 / 6	0.27	2.20	1.30	3

APPENDIX D

SUMMARY ASSESSMENT SORTED BY CHEMICAL BY CATEGORY

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PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

CHEMICAL: 1,2-D

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
1	3646	204	0.056	9605	736	0.077	8	6	0.750	0.00	550.00	0.00	152.00
2	3646	204	0.056	9605	736	0.077	8	6	0.750	0.00	550.00	0.00	152.00
3	3564	191	0.054	9510	719	0.076	7	5	0.714	0.00	550.00	0.00	67.60
4	365	97	0.266	3973	354	0.089	4	3	0.750	0.00	550.00	0.00	152.00
5	283	84	0.297	3878	337	0.087	4	3	0.750	0.00	550.00	0.00	7.75
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: 1,3-D

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
1	3348	3	0.001	4534	6	0.001	8	2	0.250	0.00	270.00	0.00	130.00
2	3348	3	0.001	4534	6	0.001	8	2	0.250	0.00	270.00	0.00	130.00
3	3346	1	0.000	4532	4	0.001	7	1	0.143	0.00	270.00	0.00	123.00
4	283	1	0.004	378	4	0.011	4	1	0.250	0.00	270.00	0.00	123.00
5	283	1	0.004	378	4	0.011	4	1	0.250	0.00	270.00	0.00	123.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: 1-Napthol

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
1	11	0	0.000	32	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	11	0	0.000	32	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	11	0	0.000	32	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
4	11	0	0.000	32	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	11	0	0.000	32	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: 2,4,5-T

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
1	998	19	0.019	982	4	0.004	9	4	0.444	0.00	2.99	0.00	2.85
2	783	18	0.023	902	2	0.002	7	3	0.429	0.00	1.10	0.00	1.10
3	382	16	0.042	376	0	0.000	6	1	0.167	0.00	0.00	0.00	0.00
4	604	2	0.003	788	2	0.003	4	2	0.500	0.00	1.10	0.00	1.10
5	203	0	0.000	262	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
6	75	1	0.013	80	2	0.025	1	1	1.000	2.66	2.99	2.85	2.85

CHEMICAL: 2,4-D

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
1	2597	86	0.033	3085	113	0.037	23	13	0.565	0.00	49.50	0.00	22.00
2	2352	38	0.016	2978	29	0.010	22	10	0.455	0.00	49.50	0.00	22.00
3	1767	25	0.014	1837	11	0.006	19	7	0.368	0.00	49.50	0.00	2.70
4	1072	13	0.012	1661	18	0.011	11	4	0.364	0.00	49.50	0.00	22.00
5	570	4	0.007	637	4	0.006	9	2	0.222	0.00	49.50	0.00	2.70
6	55	46	0.836	107	84	0.785	1	1	1.000	0.00	36.50	0.93	0.93

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: 2,4-DB													
1	75	1	0.013	80	1	0.013	1	1	1.000	0.00	0.23	0.23	0.23
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	75	1	0.013	80	1	0.013	1	1	1.000	0.00	0.23	0.23	0.23
CHEMICAL: 2,4-Dichlobenzoic acid													
1	17	10	0.588	60	21	0.350	1	1	1.000	0.21	32.00	4.29	4.29
2	17	10	0.588	60	21	0.350	1	1	1.000	0.21	32.00	4.29	4.29
3	17	10	0.588	60	21	0.350	1	1	1.000	0.21	32.00	4.29	4.29
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: 4-CLOC													
1	1	0	0.000	1	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	1	0	0.000	1	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	1	0	0.000	1	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Acephate													
1	454	0	0.000	493	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
2	454	0	0.000	493	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
3	454	0	0.000	493	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
4	36	0	0.000	67	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
5	36	0	0.000	67	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Acifluorfen													
1	97	0	0.000	171	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	97	0	0.000	171	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	97	0	0.000	171	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	97	0	0.000	171	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
5	97	0	0.000	171	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
CHEMICAL: Acrolein													
1	49	0	0.000	51	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	49	0	0.000	51	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	49	0	0.000	51	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	40	0	0.000	40	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	40	0	0.000	40	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Alachlor													
1	6231	202	0.032	7309	309	0.042	23	19	0.826	0.00	3000.00	0.00	66.50
2	5147	92	0.018	6123	164	0.027	23	18	0.783	0.00	113.00	0.00	62.30
3	4521	67	0.015	4946	124	0.025	20	15	0.750	0.00	113.00	0.00	62.30
4	4416	88	0.020	5290	156	0.029	16	13	0.812	0.00	113.00	0.00	62.30
5	3870	64	0.017	4230	119	0.028	15	12	0.800	0.00	113.00	0.00	62.30
6	181	25	0.138	428	66	0.154	6	6	1.000	0.00	99.90	0.01	66.50
CHEMICAL: Aldicarb													
1	9576	1496	0.156	53264	13356	0.251	30	22	0.733	0.00	1264.00	0.00	66.40
2	9297	1372	0.148	52623	13082	0.249	29	22	0.759	0.00	1264.00	0.00	66.40
3	7169	1270	0.177	51975	13077	0.252	28	21	0.750	0.00	1264.00	0.00	66.40
4	3064	114	0.037	36620	209	0.006	14	7	0.500	0.00	315.00	0.00	64.57
5	1622	112	0.069	35972	204	0.006	13	6	0.462	0.00	315.00	0.00	64.57
6	38	0	0.000	38	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Aldrin													
1	1681	33	0.020	1752	32	0.018	13	5	0.385	0.00	0.53	0.00	0.53
2	1431	26	0.018	1591	25	0.016	11	4	0.364	0.00	0.53	0.00	0.53
3	1377	26	0.019	1367	24	0.018	9	3	0.333	0.00	0.05	0.00	0.01
4	435	24	0.055	440	24	0.055	5	2	0.400	0.00	0.05	0.00	0.01
5	435	24	0.055	440	24	0.055	5	2	0.400	0.00	0.05	0.00	0.01
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Ametryn													
1	177	0	0.000	184	0	0.000	5	1	0.200	0.00	0.88	0.00	0.88
2	177	0	0.000	184	0	0.000	5	1	0.200	0.00	0.88	0.00	0.88
3	177	0	0.000	184	0	0.000	4	0	0.000	0.00	0.00	0.00	0.00
4	126	0	0.000	132	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
5	126	0	0.000	132	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB			
										ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: Amidithion													
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Aminocarb													
1	14	0	0.000	14	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	14	0	0.000	14	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	14	0	0.000	14	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Amitraz													
1	1	0	0.000	1	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	1	0	0.000	1	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	1	0	0.000	1	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Amitrole													
1	3	0	0.000	3	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	3	0	0.000	3	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	3	0	0.000	3	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Anilazine													
1	17	0	0.000	52	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	17	0	0.000	52	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	17	0	0.000	52	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB			
										ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: Arochlor													
1	143	2	0.014	143	2	0.014	1	1	1.000	269.00	2300.00	1285.00	1285.00
2	143	2	0.014	143	2	0.014	1	1	1.000	269.00	2300.00	1285.00	1285.00
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	143	2	0.014	143	2	0.014	1	1	1.000	269.00	2300.00	1285.00	1285.00
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Arsenic													
1	246	75	0.305	1185	258	0.218	2	1	0.500	0.00	585.00	0.00	105.00
2	246	75	0.305	1185	258	0.218	2	1	0.500	0.00	585.00	0.00	105.00
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	246	75	0.305	1185	258	0.218	2	1	0.500	0.00	585.00	0.00	105.00
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Atraton													
1	69	1	0.014	77	1	0.013	2	1	0.500	0.00	0.10	0.10	0.10
2	69	1	0.014	77	1	0.013	2	1	0.500	0.00	0.10	0.10	0.10
3	69	1	0.014	77	1	0.013	2	1	0.500	0.00	0.10	0.10	0.10
4	30	1	0.033	36	1	0.028	1	1	1.000	0.00	0.10	0.10	0.10
5	30	1	0.033	36	1	0.028	1	1	1.000	0.00	0.10	0.10	0.10
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Atrazine													
1	15168	671	0.044	17135	1512	0.088	28	22	0.786	0.00	3000.00	0.00	140.00
2	14451	536	0.037	16500	1269	0.077	27	19	0.704	0.00	210.00	0.00	44.38
3	13687	460	0.034	14964	1056	0.071	23	17	0.739	0.00	210.00	0.00	44.38
4	13165	430	0.033	14386	1033	0.072	19	14	0.737	0.00	107.20	0.00	36.10
5	12489	354	0.028	13287	870	0.065	16	12	0.750	0.00	40.00	0.00	23.70
6	249	71	0.285	516	196	0.380	6	6	1.000	0.00	1500.00	0.08	55.20
CHEMICAL: Azinphos-ethyl													
1	61	0	0.000	112	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	6	0	0.000	6	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	6	0	0.000	6	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
CHEMICAL: Azinphos-methyl													
1	966	15	0.016	957	0	0.000	6	1	0.167	0.00	0.00	0.00	0.00
2	771	15	0.019	851	0	0.000	5	1	0.200	0.00	0.00	0.00	0.00
3	771	15	0.019	785	0	0.000	4	1	0.250	0.00	0.00	0.00	0.00
4	89	0	0.000	226	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
5	89	0	0.000	160	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: BHC													
1	1428	16	0.011	2241	17	0.008	7	3	0.429	0.00	4.25	0.00	2.70
2	1233	6	0.005	2134	6	0.003	5	2	0.400	0.00	4.25	0.00	2.70
3	1233	6	0.005	2134	6	0.003	5	2	0.400	0.00	4.25	0.00	2.70
4	442	6	0.014	457	6	0.013	3	1	0.333	0.00	4.25	0.00	2.70
5	442	6	0.014	457	6	0.013	3	1	0.333	0.00	4.25	0.00	2.70
6	55	10	0.182	107	11	0.103	1	1	1.000	0.00	0.02	0.00	0.00
CHEMICAL: Bendiocarb													
1	8	0	0.000	8	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	8	0	0.000	8	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	8	0	0.000	8	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Benefin													
1	200	0	0.000	200	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	200	0	0.000	200	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	200	0	0.000	200	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	1	0	0.000	1	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	1	0	0.000	1	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Benomyl													
1	561	2	0.004	811	2	0.002	4	1	0.250	0.00	2.50	0.00	2.00
2	561	2	0.004	811	2	0.002	4	1	0.250	0.00	2.50	0.00	2.00
3	561	2	0.004	805	2	0.002	3	1	0.333	0.00	2.50	0.00	2.00
4	28	0	0.000	62	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
5	28	0	0.000	56	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: Bensulide													
1	3	0	0.000	3	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	3	0	0.000	3	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	3	0	0.000	3	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Bentazon													
1	26	0	0.000	2	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	26	0	0.000	2	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	26	0	0.000	2	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	24	0	0.000	N/A	N/A	N/A	1	0	0.000	0.00	0.00	0.00	0.00
5	24	0	0.000	N/A	N/A	N/A	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Bromacil													
1	935	46	0.049	1149	49	0.043	4	3	0.750	0.00	200.00	0.00	16.50
2	853	12	0.014	1065	14	0.013	4	3	0.750	0.00	22.00	0.00	16.50
3	849	8	0.009	1059	9	0.008	4	2	0.500	0.00	22.00	0.00	14.00
4	244	10	0.041	236	9	0.038	3	2	0.667	0.00	22.00	0.00	16.50
5	240	6	0.025	230	4	0.017	3	1	0.333	0.00	22.00	0.00	14.00
6	2	2	1.000	4	3	0.750	1	1	1.000	0.00	5.50	1.20	4.40
CHEMICAL: Bromophos													
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Bromophos-ethyl													
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB			
										ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: Bufencarb													
1	8	0	0.000	8	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	8	0	0.000	8	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	8	0	0.000	8	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Butylate													
1	816	1	0.001	1216	14	0.012	7	1	0.143	0.00	2.90	0.00	2.90
2	665	0	0.000	1199	14	0.012	7	1	0.143	0.00	2.90	0.00	0.00
3	109	0	0.000	168	0	0.000	4	0	0.000	0.00	0.00	0.00	0.00
4	600	0	0.000	1096	0	0.000	4	0	0.000	0.00	0.00	0.00	0.00
5	100	0	0.000	159	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
6	10	0	0.000	17	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Captafol													
1	N/A	N/A	N/A	24	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	24	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	24	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Captan													
1	825	0	0.000	903	0	0.000	3	.0	0.000	0.00	0.00	0.00	0.00
2	800	0	0.000	878	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	800	0	0.000	878	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	88	0	0.000	159	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	88	0	0.000	159	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Carbamate screen													
1	61	0	0.000	61	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	61	0	0.000	61	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	61	0	0.000	61	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

										CONCENTRATION RANGES IN PPB			
SET	WELLS			SAMPLES			STATE			ABSOLUTE		STUDY AVG.	
	NO. / POS.		RATIO	NO. / POS.		RATIO	NO. / POS.		RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: Carbaryl													
1	3094	3	0.001	28600	37	0.001	9	3	0.333	0.00	4.00	0.00	4.00
2	2937	1	0.000	28600	37	0.001	9	2	0.222	0.00	4.00	0.00	4.00
3	2329	0	0.000	2446	0	0.000	5	0	0.000	0.00	0.00	0.00	0.00
4	1987	0	0.000	2504	0	0.000	4	0	0.000	0.00	0.00	0.00	0.00
5	1487	0	0.000	1579	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Carbendazim													
1	212	0	0.000	215	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	212	0	0.000	215	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	212	0	0.000	215	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Carbofuran													
1	3294	48	0.015	30053	7060	0.235	19	7	0.368	0.00	176.00	0.00	15.00
2	3169	47	0.015	30028	7060	0.235	18	6	0.333	0.00	176.00	0.00	8.00
3	2537	36	0.014	28893	7047	0.244	16	6	0.375	0.00	176.00	0.00	8.00
4	2270	29	0.013	29027	7039	0.242	12	3	0.250	0.00	176.00	0.00	7.00
5	1770	29	0.016	28102	7039	0.250	11	3	0.273	0.00	176.00	0.00	7.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Carbon tetrachloride													
1	N/A	N/A	N/A	N/A	N/A	N/A	1	1	1.000	0.08	0.50	0.25	0.25
2	N/A	N/A	N/A	N/A	N/A	N/A	1	1	1.000	0.08	0.50	0.25	0.25
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Carbophenothion													
1	153	0	0.000	205	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
2	98	0	0.000	99	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	98	0	0.000	99	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	66	0	0.000	66	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	66	0	0.000	66	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

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PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: Chlorallyl alcohol													
1	11	0	0.000	45	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	11	0	0.000	45	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	11	0	0.000	45	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Chloramben													
1	611	1	0.002	1054	2	0.002	4	1	0.250	0.00	50.00	0.00	50.00
2	595	0	0.000	1054	2	0.002	4	1	0.250	0.00	50.00	0.00	0.00
3	95	0	0.000	100	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	595	0	0.000	1025	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
5	95	0	0.000	100	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Chlordane													
1	1769	35	0.020	2057	47	0.023	14	6	0.429	0.00	7.90	0.00	7.40
2	1408	12	0.009	1682	22	0.013	11	3	0.273	0.00	7.90	0.00	7.40
3	1397	9	0.006	1482	16	0.011	9	2	0.222	0.00	3.63	0.00	1.70
4	414	5	0.012	608	8	0.013	6	2	0.333	0.00	7.90	0.00	7.40
5	411	2	0.005	416	2	0.005	5	1	0.200	0.00	1.80	0.00	1.70
6	165	2	0.012	320	4	0.013	1	1	1.000	0.00	0.04	0.00	0.00
CHEMICAL: Chlordecone													
1	57	0	0.000	108	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	2	0	0.000	2	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	2	0	0.000	2	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Chlordimeform													
1	182	0	0.000	182	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	182	0	0.000	182	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	182	0	0.000	182	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		CONCENTRATION RANGES IN PPB STUDY AVG.	
	NO.	POS.	RATIO	NO.	POS.	RATIO	NO.	POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: Chlorinated hydrocarbon screen													
1	65	0	0.000	68	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	65	0	0.000	68	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	65	0	0.000	68	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Chlorobenzilate													
1	9	0	0.000	9	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	9	0	0.000	9	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	9	0	0.000	9	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Chloropicrin													
1	829	0	0.000	871	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	829	0	0.000	871	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	829	0	0.000	871	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	34	0	0.000	65	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	34	0	0.000	65	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Chlorothalonil													
1	685	3	0.004	937	14	0.015	6	3	0.500	0.00	12.60	0.00	0.30
2	682	3	0.004	937	14	0.015	5	3	0.600	0.00	12.60	0.00	0.30
3	682	3	0.004	937	14	0.015	5	3	0.600	0.00	12.60	0.00	0.30
4	177	1	0.006	386	12	0.031	3	2	0.667	0.00	12.60	0.00	0.02
5	177	1	0.006	386	12	0.031	3	2	0.667	0.00	12.60	0.00	0.02
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Chlorpropham													
1	260	0	0.000	262	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	260	0	0.000	262	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	260	0	0.000	262	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
SET	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: Chlorpyrifos													
1	2930	19	0.006	3505	19	0.005	14	2	0.143	0.00	0.10	0.00	0.10
2	2688	1	0.000	3374	1	0.000	13	1	0.077	0.00	0.10	0.00	0.10
3	2164	1	0.000	2388	1	0.000	9	1	0.111	0.00	0.10	0.00	0.10
4	2135	0	0.000	2697	0	0.000	8	0	0.000	0.00	0.00	0.00	0.00
5	1635	0	0.000	1760	0	0.000	6	0	0.000	0.00	0.00	0.00	0.00
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Crufomate													
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Cryolite													
1	N/A	N/A	N/A	99	7	0.071	1	1	1.000	0.30	1.79	N/A	N/A
2	N/A	N/A	N/A	99	7	0.071	1	1	1.000	0.30	1.79	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Cyanazine													
1	3318	52	0.016	4202	161	0.038	18	10	0.556	0.00	80.00	0.00	7.00
2	3068	37	0.012	4125	150	0.036	17	8	0.471	0.00	7.00	0.00	7.00
3	2512	33	0.013	3015	66	0.022	15	6	0.400	0.00	7.00	0.00	7.00
4	2732	37	0.014	3627	70	0.019	13	7	0.538	0.00	7.00	0.00	7.00
5	2232	33	0.015	2690	66	0.025	11	6	0.545	0.00	7.00	0.00	7.00
6	10	1	0.100	17	1	0.059	1	1	1.000	0.00	1.00	1.00	1.00
CHEMICAL: Cyanophos													
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
CHEMICAL: Cycloate													
1	21	0	0.000	21	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	21	0	0.000	21	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	21	0	0.000	21	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Cypermethrin													
1	28	0	0.000	56	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	28	0	0.000	56	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	28	0	0.000	56	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
4	28	0	0.000	56	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	28	0	0.000	56	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Cyprazine													
1	30	0	0.000	36	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	30	0	0.000	36	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	30	0	0.000	36	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
4	30	0	0.000	36	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	30	0	0.000	36	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: DBCP													
1	5631	2147	0.381	8528	4217	0.494	7	6	0.857	0.00	114.00	0.00	9.00
2	5618	2145	0.382	8515	4215	0.495	6	5	0.833	0.00	14.00	0.00	9.00
3	5442	2120	0.390	8515	4215	0.495	4	3	0.750	0.00	13.00	0.00	9.00
4	155	14	0.090	106	2	0.019	3	2	0.667	0.00	1.00	0.00	0.01
5	74	1	0.014	106	2	0.019	2	1	0.500	0.00	0.02	0.00	0.01
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: DDT													
1	3116	78	0.025	3394	81	0.024	15	7	0.467	0.00	402.00	0.00	108.00
2	2756	36	0.013	3019	35	0.012	13	5	0.385	0.00	402.00	0.00	108.00
3	2740	36	0.013	2783	35	0.013	11	5	0.455	0.00	402.00	0.00	108.00
4	767	35	0.046	997	35	0.035	7	3	0.429	0.00	402.00	0.00	108.00
5	767	35	0.046	777	35	0.045	6	3	0.500	0.00	402.00	0.00	108.00
6	165	24	0.145	320	28	0.087	1	1	1.000	0.00	0.76	0.00	0.02

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

CHEMICAL: DEF

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	316	0	0.000	368	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	261	0	0.000	262	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	261	0	0.000	262	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

CHEMICAL: DNOC

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	268	0	0.000	268	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	268	0	0.000	268	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	268	0	0.000	268	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Dacthal

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	606	12	0.020	1024	67	0.065	9	4	0.444	0.00	1039.00	0.00	254.60
2	493	9	0.018	812	67	0.083	8	4	0.500	0.00	1039.00	0.00	109.00
3	493	9	0.018	802	66	0.082	7	3	0.429	0.00	1039.00	0.00	109.00
4	118	0	0.000	319	56	0.176	4	1	0.250	0.00	1039.00	0.00	109.00
5	118	0	0.000	319	56	0.176	4	1	0.250	0.00	1039.00	0.00	109.00
6	110	0	0.000	212	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

CHEMICAL: Dalapon

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	14	0	0.000	14	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	14	0	0.000	14	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	14	0	0.000	14	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Demeton

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	986	0	0.000	1070	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
2	931	0	0.000	964	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	931	0	0.000	961	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	3	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

CHEMICAL: Diallate

SET	WELLS NO.	WELLS / POS.	WELLS RATIO	SAMPLES NO.	SAMPLES / POS.	SAMPLES RATIO	STATE NO.	STATE / POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	400	0	0.000	525	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	400	0	0.000	525	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	400	0	0.000	525	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Diazinon

SET	WELLS NO.	WELLS / POS.	WELLS RATIO	SAMPLES NO.	SAMPLES / POS.	SAMPLES RATIO	STATE NO.	STATE / POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	919	13	0.014	1059	13	0.012	11	2	0.182	0.00	478.00	0.00	162.00
2	639	7	0.011	822	7	0.009	9	1	0.111	0.00	478.00	0.00	162.00
3	639	7	0.011	788	7	0.009	7	1	0.143	0.00	478.00	0.00	162.00
4	333	7	0.021	464	7	0.015	6	1	0.167	0.00	478.00	0.00	162.00
5	333	7	0.021	435	7	0.016	5	1	0.200	0.00	478.00	0.00	162.00
6	110	0	0.000	212	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

CHEMICAL: Dicamba

SET	WELLS NO.	WELLS / POS.	WELLS RATIO	SAMPLES NO.	SAMPLES / POS.	SAMPLES RATIO	STATE NO.	STATE / POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	961	34	0.035	1621	41	0.025	15	9	0.600	0.00	12.00	0.00	1.10
2	886	13	0.015	1479	20	0.014	13	6	0.462	0.00	3.00	0.00	1.10
3	287	8	0.028	428	9	0.021	9	4	0.444	0.00	3.00	0.00	1.10
4	768	7	0.009	1246	13	0.010	7	4	0.571	0.00	1.10	0.00	1.10
5	193	2	0.010	241	2	0.008	5	2	0.400	0.00	1.10	0.00	1.10
6	55	17	0.309	107	21	0.196	1	1	1.000	0.00	0.49	0.02	0.02

CHEMICAL: Dicapthon

SET	WELLS NO.	WELLS / POS.	WELLS RATIO	SAMPLES NO.	SAMPLES / POS.	SAMPLES RATIO	STATE NO.	STATE / POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	55	0	0.000	109	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	3	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	3	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

CHEMICAL: Dichlofenthion

SET	WELLS NO.	WELLS / POS.	WELLS RATIO	SAMPLES NO.	SAMPLES / POS.	SAMPLES RATIO	STATE NO.	STATE / POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

CHEMICAL: Dichlorprop

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	102	0	0.000	102	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	102	0	0.000	102	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	102	0	0.000	102	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Dichlorvos

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	67	0	0.000	125	0	0.000	4	0	0.000	0.00	0.00	0.00	0.00
2	12	0	0.000	19	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
3	12	0	0.000	12	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	6	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

CHEMICAL: Dicofol

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	733	0	0.000	768	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	733	0	0.000	768	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	733	0	0.000	740	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	28	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Dicrotophos

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	9	0	0.000	9	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	9	0	0.000	9	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	9	0	0.000	9	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Dieldrin

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	1549	56	0.036	1756	83	0.047	12	7	0.583	0.00	0.26	0.00	0.24
2	1319	19	0.014	1584	32	0.020	11	5	0.455	0.00	0.26	0.00	0.24
3	1263	17	0.013	1356	28	0.021	9	4	0.444	0.00	0.10	0.00	0.10
4	296	4	0.014	490	6	0.012	5	3	0.600	0.00	0.26	0.00	0.24
5	294	2	0.007	316	2	0.006	4	2	0.500	0.00	0.02	0.00	0.02
6	55	33	0.600	107	51	0.477	1	1	1.000	0.00	0.09	0.01	0.01

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

										CONCENTRATION RANGES IN PPB			
	WELLS			SAMPLES			STATE			ABSOLUTE		STUDY AVG.	
SET	NO.	POS.	RATIO	NO.	POS.	RATIO	NO.	POS	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: Difolatan													
1	88	0	0.000	159	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	88	0	0.000	159	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	88	0	0.000	159	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
4	88	0	0.000	159	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	88	0	0.000	159	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Dimethoate													
1	1080	1	0.001	1268	1	0.001	5	1	0.200	0.00	0.00	0.00	0.00
2	1013	1	0.001	1162	1	0.001	4	1	0.250	0.00	0.00	0.00	0.00
3	613	1	0.002	627	1	0.002	2	1	0.500	0.00	0.00	0.00	0.00
4	401	0	0.000	526	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
5	1	0	0.000	1	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Dimethyl phthalate													
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Dinoseb													
1	1041	28	0.027	1265	36	0.028	7	4	0.571	0.00	74.00	0.00	46.20
2	938	26	0.028	1265	36	0.028	7	4	0.571	0.00	74.00	0.00	46.20
3	938	26	0.028	1140	33	0.029	7	4	0.571	0.00	74.00	0.00	46.20
4	335	17	0.051	531	24	0.045	5	3	0.600	0.00	36.70	0.00	0.67
5	335	17	0.051	531	24	0.045	5	3	0.600	0.00	36.70	0.00	0.67
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Dioctyl phthalate													
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		CONCENTRATION RANGES IN PPB STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: Dioxacarb													
1	8	0	0.000	8	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	8	0	0.000	8	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	8	0	0.000	8	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Dioxathion													
1	72	0	0.000	123	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	17	0	0.000	17	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	17	0	0.000	17	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Diphenamid													
1	432	0	0.000	421	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	432	0	0.000	421	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	432	0	0.000	421	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	12	0	0.000	N/A	N/A	N/A	1	0	0.000	0.00	0.00	0.00	0.00
5	12	0	0.000	N/A	N/A	N/A	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Diphenyl phthalate													
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Disulfoton													
1	1264	14	0.011	1839	14	0.008	8	1	0.125	0.00	100.00	0.00	36.30
2	1127	14	0.012	1733	14	0.008	7	1	0.143	0.00	100.00	0.00	36.30
3	627	14	0.022	705	14	0.020	5	1	0.200	0.00	100.00	0.00	36.30
4	589	0	0.000	1088	0	0.000	4	0	0.000	0.00	0.00	0.00	0.00
5	89	0	0.000	160	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

CHEMICAL: Dithiocarbamates

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	4	0	0.000	4	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	4	0	0.000	4	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	4	0	0.000	4	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
4	4	0	0.000	4	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	4	0	0.000	4	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Diuron

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	882	12	0.014	1180	27	0.023	4	2	0.500	0.00	1.54	0.00	0.61
2	882	12	0.014	1180	27	0.023	4	2	0.500	0.00	1.54	0.00	0.61
3	882	12	0.014	1180	27	0.023	4	2	0.500	0.00	1.54	0.00	0.61
4	116	0	0.000	171	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
5	116	0	0.000	171	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: EDB

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	9169	925	0.101	6845	151	0.022	12	10	0.833	0.00	300.00	0.00	6.50
2	9078	916	0.101	6764	139	0.021	10	8	0.800	0.00	300.00	0.00	6.50
3	8994	912	0.101	6764	139	0.021	9	7	0.778	0.00	14.00	0.00	6.50
4	377	57	0.151	5445	99	0.018	6	5	0.833	0.00	14.00	0.00	2.80
5	377	57	0.151	5445	99	0.018	6	5	0.833	0.00	14.00	0.00	2.80
6	24	5	0.208	38	11	0.289	1	1	1.000	0.00	5.70	0.82	0.82

CHEMICAL: EDC

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	N/A	N/A	N/A	N/A	N/A	N/A	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	1	0	0.000	0.00	0.00	0.00	0.00
3	N/A	N/A	N/A	N/A	N/A	N/A	1	0	0.000	0.00	0.00	0.00	0.00
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: EPN

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	65	0	0.000	116	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	10	0	0.000	10	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	10	0	0.000	10	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

										CONCENTRATION RANGES IN PPB			
	WELLS			* SAMPLES			STATE			ABSOLUTE		STUDY AVG.	
SET	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: EPTC													
1	1128	1	0.001	1449	10	0.007	7	2	0.286	0.00	0.33	0.00	0.33
2	845	1	0.001	1365	10	0.007	6	2	0.333	0.00	0.33	0.00	0.33
3	289	0	0.000	284	0	0.000	4	0	0.000	0.00	0.00	0.00	0.00
4	520	1	0.002	939	1	0.001	3	1	0.333	0.00	0.33	0.00	0.33
5	20	0	0.000	14	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
6	77	0	0.000	84	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: ETU													
1	58	3	0.052	110	3	0.027	3	1	0.333	0.00	4.60	0.00	3.90
2	34	0	0.000	86	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	34	0	0.000	37	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
4	34	0	0.000	86	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
5	34	0	0.000	37	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Endosulfan													
1	3340	37	0.011	4720	9	0.002	11	5	0.455	0.00	0.40	0.00	0.31
2	2833	35	0.012	4580	6	0.001	10	3	0.300	0.00	0.40	0.00	0.31
3	2771	31	0.011	4403	2	0.000	8	2	0.250	0.00	0.40	0.00	0.31
4	455	2	0.004	646	2	0.003	5	1	0.200	0.00	0.40	0.00	0.31
5	455	2	0.004	531	2	0.004	4	1	0.250	0.00	0.40	0.00	0.31
6	57	2	0.035	110	3	0.027	2	1	0.500	0.00	0.06	0.00	0.04
CHEMICAL: Endothall													
1	298	0	0.000	300	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	298	0	0.000	300	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	298	0	0.000	300	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Endrin													
1	2994	16	0.005	3401	61	0.018	13	1	0.077	0.00	0.67	0.00	0.02
2	2629	16	0.006	3265	61	0.019	12	1	0.083	0.00	0.67	0.00	0.02
3	2578	16	0.006	3040	61	0.020	11	1	0.091	0.00	0.67	0.00	0.02
4	367	0	0.000	617	0	0.000	6	0	0.000	0.00	0.00	0.00	0.00
5	367	0	0.000	443	0	0.000	5	0	0.000	0.00	0.00	0.00	0.00
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

CHEMICAL: Eptam

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	88	0	0.000	175	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	88	0	0.000	175	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	88	0	0.000	159	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
4	88	0	0.000	175	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
5	88	0	0.000	159	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Ethion

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	381	0	0.000	467	0	0.000	4	0	0.000	0.00	0.00	0.00	0.00
2	326	0	0.000	361	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
3	326	0	0.000	361	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
4	100	0	0.000	131	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
5	100	0	0.000	131	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

CHEMICAL: Ethoprop

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	170	0	0.000	312	23	0.074	4	1	0.250	0.00	12.60	0.00	0.00
2	115	0	0.000	206	23	0.112	3	1	0.333	0.00	12.60	0.00	0.00
3	115	0	0.000	206	23	0.112	3	1	0.333	0.00	12.60	0.00	0.00
4	115	0	0.000	206	23	0.112	3	1	0.333	0.00	12.60	0.00	0.00
5	115	0	0.000	206	23	0.112	3	1	0.333	0.00	12.60	0.00	0.00
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

CHEMICAL: Ethyl parathion

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	129	0	0.000	255	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
2	19	0	0.000	43	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	19	0	0.000	19	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
4	19	0	0.000	43	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
5	19	0	0.000	19	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	110	0	0.000	212	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

CHEMICAL: Ethylan

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	172	0	0.000	172	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
2	172	0	0.000	172	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
3	172	0	0.000	172	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
4	66	0	0.000	66	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	66	0	0.000	66	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
CHEMICAL: Famphur													
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Fenabutatin-oxide													
1	1	0	0.000	1	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	1	0	0.000	1	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	1	0	0.000	1	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Fenamiphos													
1	353	0	0.000	391	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	353	0	0.000	391	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	353	0	0.000	391	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	72	0	0.000	103	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	72	0	0.000	103	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Fenitrothion													
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Fensulfothion													
1	56	0	0.000	107	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	1	0	0.000	1	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	1	0	0.000	1	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
4	1	0	0.000	1	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	1	0	0.000	1	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS			* SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: Fenthion													
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Fenvalerate													
1	92	0	0.000	120	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
2	92	0	0.000	120	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
3	92	0	0.000	120	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
4	91	0	0.000	119	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
5	91	0	0.000	119	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Fluchloralin													
1	165	0	0.000	165	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	165	0	0.000	165	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	165	0	0.000	165	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Fluometuron													
1	97	0	0.000	171	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	97	0	0.000	171	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	97	0	0.000	171	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	97	0	0.000	171	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
5	97	0	0.000	171	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Fonofos													
1	2064	5	0.002	2625	5	0.002	9	2	0.222	0.00	0.90	0.00	0.11
2	2004	5	0.002	2600	5	0.002	7	2	0.286	0.00	0.90	0.00	0.11
3	1480	5	0.003	1651	5	0.003	5	2	0.400	0.00	0.90	0.00	0.11
4	1974	5	0.003	2570	5	0.002	4	2	0.500	0.00	0.90	0.00	0.11
5	1474	5	0.003	1645	5	0.003	3	2	0.667	0.00	0.90	0.00	0.11
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

										CONCENTRATION RANGES IN PPB			
	WELLS			SAMPLES			STATE			ABSOLUTE		STUDY AVG.	
SET	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: Formaldehyde													
1	4	0	0.000	4	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	4	0	0.000	4	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	4	0	0.000	4	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Glyphosate													
1	101	6	0.059	36	0	0.000	2	1	0.500	N/A	N/A	N/A	N/A
2	101	6	0.059	36	0	0.000	2	1	0.500	N/A	N/A	N/A	N/A
3	101	6	0.059	36	0	0.000	2	1	0.500	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Heptachlor													
1	2527	23	0.009	2634	27	0.010	12	5	0.417	0.00	0.81	0.00	0.19
2	2137	6	0.003	2472	10	0.004	10	3	0.300	0.00	0.12	0.00	0.05
3	2082	5	0.002	2196	8	0.004	8	2	0.250	0.00	0.12	0.00	0.05
4	279	1	0.004	505	2	0.004	5	1	0.200	0.00	0.03	0.00	0.03
5	278	0	0.000	283	0	0.000	4	0	0.000	0.00	0.00	0.00	0.00
6	55	1	0.018	107	1	0.009	1	1	1.000	0.00	0.02	0.00	0.00
CHEMICAL: Hexachlorobenzene													
1	939	7	0.007	1012	7	0.007	3	2	0.667	0.00	5.60	0.00	4.70
2	884	4	0.005	905	4	0.004	2	1	0.500	3.90	5.60	4.70	4.70
3	884	4	0.005	905	4	0.004	2	1	0.500	3.90	5.60	4.70	4.70
4	143	4	0.028	143	4	0.028	1	1	1.000	3.90	5.60	4.70	4.70
5	143	4	0.028	143	4	0.028	1	1	1.000	3.90	5.60	4.70	4.70
6	55	3	0.055	107	3	0.028	1	1	1.000	0.00	0.01	0.00	0.00
CHEMICAL: Hexazinone													
1	98	2	0.020	169	2	0.012	4	2	0.500	0.00	9.00	0.00	8.00
2	98	2	0.020	169	2	0.012	4	2	0.500	0.00	9.00	0.00	8.00
3	98	2	0.020	169	2	0.012	3	1	0.333	0.00	9.00	0.00	8.00
4	88	2	0.023	159	2	0.013	1	1	1.000	7.00	9.00	8.00	8.00
5	88	2	0.023	159	2	0.013	1	1	1.000	7.00	9.00	8.00	8.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB			
										ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: Isocil													
1	1	0	0.000	1	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	1	0	0.000	1	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	1	0	0.000	1	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
4	1	0	0.000	1	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	1	0	0.000	1	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Isofenphos													
1	210	1	0.005	63	1	0.016	3	1	0.333	0.00	1.17	0.00	1.17
2	17	1	0.059	63	1	0.016	2	1	0.500	0.00	1.17	0.00	1.17
3	17	1	0.059	59	1	0.017	1	1	1.000	0.00	1.17	0.00	1.17
4	N/A	N/A	N/A	4	0	0.000	1	0	0.000	0.00	1.17	1.17	1.17
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Lindane													
1	2362	30	0.013	2748	28	0.010	16	8	0.500	0.00	47.00	0.00	11.10
2	2112	25	0.012	2586	23	0.009	14	6	0.429	0.00	47.00	0.00	11.10
3	2053	25	0.012	2396	22	0.009	12	5	0.417	0.00	47.00	0.00	11.10
4	523	21	0.040	599	21	0.035	6	3	0.500	0.00	47.00	0.00	11.10
5	523	21	0.040	599	21	0.035	6	3	0.500	0.00	47.00	0.00	11.10
6	55	2	0.036	107	2	0.019	1	1	1.000	0.00	0.08	0.00	0.00
CHEMICAL: Linuron													
1	805	3	0.004	1638	3	0.002	6	2	0.333	0.00	3.00	0.00	3.00
2	737	3	0.004	1638	3	0.002	6	2	0.333	0.00	3.00	0.00	3.00
3	237	3	0.013	603	3	0.005	4	2	0.500	0.00	3.00	0.00	3.00
4	673	0	0.000	1283	0	0.000	5	1	0.200	0.00	2.70	0.00	1.90
5	173	0	0.000	330	0	0.000	3	1	0.333	0.00	2.70	0.00	1.90
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: MCPA													
1	584	5	0.009	1047	7	0.007	4	2	0.500	0.00	5.50	0.00	2.88
2	584	5	0.009	1047	7	0.007	4	2	0.500	0.00	5.50	0.00	2.88
3	84	3	0.036	122	3	0.025	3	1	0.333	0.00	5.50	0.00	2.88
4	501	2	0.004	926	4	0.004	2	1	0.500	0.00	5.50	0.00	2.88
5	1	0	0.000	1	0	0.000	1	0	0.000	0.00	2.20	0.00	0.26
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB			
										ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: MCPB													
1	10	0	0.000	10	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	10	0	0.000	10	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	10	0	0.000	10	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Malathion													
1	755	3	0.004	839	3	0.004	8	2	0.250	0.00	53.00	0.00	41.50
2	505	2	0.004	626	2	0.003	7	1	0.143	0.00	53.00	0.00	41.50
3	505	2	0.004	611	2	0.003	6	1	0.167	0.00	53.00	0.00	41.50
4	336	2	0.006	453	2	0.004	6	1	0.167	0.00	53.00	0.00	41.50
5	336	2	0.006	438	2	0.005	5	1	0.200	0.00	53.00	0.00	41.50
6	110	1	0.009	213	1	0.005	1	1	1.000	0.00	5.20	0.00	0.03
CHEMICAL: Mancozeb													
1	N/A	N/A	N/A	34	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	34	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	34	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Maneb													
1	268	0	0.000	351	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	268	0	0.000	323	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	268	0	0.000	274	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	49	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Mecoprop													
1	17	0	0.000	60	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	17	0	0.000	60	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	17	0	0.000	60	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: Merphos													
1	193	0	0.000	244	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	138	0	0.000	138	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	138	0	0.000	138	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Metalaxyl													
1	38	1	0.026	258	4	0.016	2	2	1.000	0.27	2.30	1.00	1.00
2	38	1	0.026	258	4	0.016	2	2	1.000	0.27	2.30	1.00	1.00
3	38	1	0.026	247	1	0.004	1	1	1.000	N/A	2.30	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Metam sodium													
1	N/A	N/A	N/A	31	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	31	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	31	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Methamidophos													
1	499	9	0.018	602	10	0.017	3	1	0.333	0.00	10.50	0.00	4.80
2	499	9	0.018	602	10	0.017	3	1	0.333	0.00	10.50	0.00	4.80
3	499	9	0.018	585	10	0.017	2	1	0.500	0.00	10.50	0.00	4.80
4	126	9	0.071	221	10	0.045	2	1	0.500	0.00	10.50	0.00	4.80
5	126	9	0.071	204	10	0.049	1	1	1.000	0.00	10.50	0.00	4.80
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Methidathion													
1	105	0	0.000	157	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	50	0	0.000	51	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	50	0	0.000	51	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

PESTICIDES IN GROUND WATER DATA BASE

SUMMARY ASSESSMENT BY CHEMICAL

CHEMICAL: Methiocarb

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	POS.	RATIO	NO.	POS.	RATIO	NO.	POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
1	14	0	0.000	14	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	14	0	0.000	14	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	14	0	0.000	14	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Methomyl

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	POS.	RATIO	NO.	POS.	RATIO	NO.	POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
1	824	3	0.004	25923	84	0.003	8	2	0.250	0.00	20.00	0.00	8.00
2	814	3	0.004	25923	84	0.003	8	2	0.250	0.00	20.00	0.00	8.00
3	814	3	0.004	25910	84	0.003	7	2	0.286	0.00	20.00	0.00	8.00
4	92	0	0.000	25132	80	0.003	6	1	0.167	0.00	9.00	0.00	0.00
5	92	0	0.000	25132	80	0.003	6	1	0.167	0.00	9.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Methoxychlor

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	POS.	RATIO	NO.	POS.	RATIO	NO.	POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
1	1471	0	0.000	1555	0	0.000	12	0	0.000	0.00	0.00	0.00	0.00
2	1276	0	0.000	1449	0	0.000	11	0	0.000	0.00	0.00	0.00	0.00
3	1217	0	0.000	1290	0	0.000	9	0	0.000	0.00	0.00	0.00	0.00
4	272	0	0.000	443	0	0.000	5	0	0.000	0.00	0.00	0.00	0.00
5	272	0	0.000	343	0	0.000	4	0	0.000	0.00	0.00	0.00	0.00
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

CHEMICAL: Methyl bromide

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	POS.	RATIO	NO.	POS.	RATIO	NO.	POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
1	2896	0	0.000	4527	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	2896	0	0.000	4527	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	2896	0	0.000	4527	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	34	0	0.000	65	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	34	0	0.000	65	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Methyl isothiocyanate

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	POS.	RATIO	NO.	POS.	RATIO	NO.	POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
1	34	0	0.000	65	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	34	0	0.000	65	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	34	0	0.000	65	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
4	34	0	0.000	65	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	34	0	0.000	65	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

CHEMICAL: Methyl parathion

SET	WELLS NO.	WELLS POS.	WELLS RATIO	* SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	2519	20	0.008	3088	7	0.002	11	3	0.273	0.00	256.00	0.00	88.40
2	2409	19	0.008	2875	6	0.002	10	2	0.200	0.00	256.00	0.00	88.40
3	1909	19	0.010	1923	6	0.003	8	2	0.250	0.00	256.00	0.00	88.40
4	2163	6	0.003	2691	6	0.002	7	1	0.143	0.00	256.00	0.00	88.40
5	1663	6	0.004	1739	6	0.003	5	1	0.200	0.00	256.00	0.00	88.40
6	110	1	0.009	213	1	0.005	1	1	1.000	0.00	0.01	0.00	0.00

CHEMICAL: Methyl trithion

SET	WELLS NO.	WELLS POS.	WELLS RATIO	* SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	66	0	0.000	66	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	66	0	0.000	66	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	66	0	0.000	66	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
4	66	0	0.000	66	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	66	0	0.000	66	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Methylene chloride

SET	WELLS NO.	WELLS POS.	WELLS RATIO	* SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	1	0	0.000	1	0	0.000	2	1	0.500	3.90	19.00	7.45	11.50
2	1	0	0.000	1	0	0.000	2	1	0.500	3.90	19.00	7.45	11.50
3	1	0	0.000	1	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Metolachlor

SET	WELLS NO.	WELLS POS.	WELLS RATIO	* SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	3774	60	0.016	4655	151	0.032	17	11	0.647	0.00	1300.00	0.00	200.00
2	3319	39	0.012	4330	124	0.029	16	7	0.437	0.00	88.00	0.00	17.66
3	2717	30	0.011	3085	77	0.025	14	5	0.357	0.00	32.32	0.00	6.00
4	3120	39	0.013	3929	90	0.023	13	7	0.538	0.00	48.00	0.00	17.66
5	2574	30	0.012	2866	77	0.027	11	5	0.455	0.00	32.32	0.00	6.00
6	162	12	0.074	235	18	0.077	5	5	1.000	0.00	112.00	0.92	20.90

CHEMICAL: Metribuzin

SET	WELLS NO.	WELLS POS.	WELLS RATIO	* SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	2995	86	0.029	3814	122	0.032	13	6	0.462	0.00	6.80	0.00	2.10
2	2910	61	0.021	3786	100	0.026	13	6	0.462	0.00	6.80	0.00	2.00
3	2409	54	0.022	2756	91	0.033	12	5	0.417	0.00	6.80	0.00	2.00
4	2850	41	0.014	3571	75	0.021	11	6	0.545	0.00	6.80	0.00	1.83
5	2349	34	0.014	2645	67	0.025	10	5	0.500	0.00	6.80	0.00	1.83
6	2	2	1.000	3	3	1.000	1	1	1.000	0.00	2.10	0.17	2.10

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: Mevinphos													
1	222	0	0.000	277	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	167	0	0.000	171	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	167	0	0.000	171	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Mirex													
1	328	0	0.000	291	0	0.000	5	0	0.000	0.00	0.00	0.00	0.00
2	181	0	0.000	185	0	0.000	4	0	0.000	0.00	0.00	0.00	0.00
3	181	0	0.000	181	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
4	66	0	0.000	70	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
5	66	0	0.000	66	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Molinate													
1	479	4	0.008	661	19	0.029	1	1	1.000	N/A	N/A	N/A	N/A
2	479	4	0.008	661	19	0.029	1	1	1.000	N/A	N/A	N/A	N/A
3	479	4	0.008	661	19	0.029	1	1	1.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Monocrotophos													
1	64	0	0.000	115	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	9	0	0.000	9	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	9	0	0.000	9	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Naled													
1	86	0	0.000	169	6	0.036	4	2	0.500	0.00	7.00	0.00	0.81
2	31	0	0.000	63	6	0.095	2	1	0.500	3.00	7.00	N/A	N/A
3	31	0	0.000	31	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
CHEMICAL: Napropamide													
1	172	0	0.000	180	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	172	0	0.000	180	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	172	0	0.000	180	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Nitrofen													
1	11	0	0.000	11	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	11	0	0.000	11	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	11	0	0.000	11	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Organochlorines													
1	36	0	0.000	73	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	36	0	0.000	73	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	36	0	0.000	58	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
4	N/A	N/A	N/A	15	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Organophosphate screen													
1	67	0	0.000	84	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	67	0	0.000	84	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	67	0	0.000	69	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	15	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Oryzalin													
1	174	0	0.000	182	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	174	0	0.000	182	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	174	0	0.000	182	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
CHEMICAL: Ovex													
1	2	0	0.000	2	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	2	0	0.000	2	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	2	0	0.000	2	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Oxamyl													
1	688	6	0.009	25742	907	0.035	5	3	0.600	0.00	395.00	0.00	7.20
2	688	6	0.009	25742	907	0.035	5	3	0.600	0.00	395.00	0.00	7.20
3	588	5	0.009	25642	906	0.035	5	3	0.600	0.00	395.00	0.00	7.20
4	226	5	0.022	25278	906	0.036	4	3	0.750	0.00	395.00	0.00	7.20
5	226	5	0.022	25278	906	0.036	4	3	0.750	0.00	395.00	0.00	7.20
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Oxydemeton-methyl													
1	57	0	0.000	108	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	2	0	0.000	2	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	2	0	0.000	2	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: PCB													
1	66	0	0.000	66	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	66	0	0.000	66	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	66	0	0.000	66	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
4	66	0	0.000	66	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	66	0	0.000	66	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: PCN													
1	162	0	0.000	162	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	162	0	0.000	162	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	162	0	0.000	162	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	66	0	0.000	66	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	66	0	0.000	66	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

CHEMICAL: PCNB

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	712	19	0.027	962	33	0.034	5	1	0.200	0.00	0.22	0.00	0.02
2	653	0	0.000	855	0	0.000	4	0	0.000	0.00	0.00	0.00	0.00
3	253	0	0.000	326	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	488	0	0.000	684	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
5	88	0	0.000	159	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	55	19	0.345	107	33	0.308	1	1	1.000	0.00	0.22	0.02	0.02

CHEMICAL: PCP

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	1090	144	0.132	1601	169	0.106	6	4	0.667	0.00	149.00	0.00	18.30
2	1035	104	0.100	1494	104	0.070	5	3	0.600	0.00	149.00	0.00	18.30
3	792	0	0.000	951	0	0.000	3	1	0.333	0.00	0.00	0.00	0.00
4	243	104	0.428	543	104	0.192	2	2	1.000	0.42	149.00	0.58	18.30
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	40	0.727	107	65	0.607	1	1	1.000	0.00	0.05	0.01	0.01

CHEMICAL: Paraquat

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	685	0	0.000	647	1	0.002	5	1	0.200	0.00	3.00	0.00	3.00
2	685	0	0.000	647	1	0.002	5	1	0.200	0.00	3.00	0.00	3.00
3	685	0	0.000	633	0	0.000	4	0	0.000	0.00	0.00	0.00	0.00
4	30	0	0.000	36	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	30	0	0.000	36	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Parathion

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	1572	2	0.001	1623	2	0.001	7	1	0.143	0.00	0.04	0.00	0.03
2	1569	2	0.001	1623	2	0.001	6	1	0.167	0.00	0.04	0.00	0.03
3	1569	2	0.001	1620	2	0.001	5	1	0.200	0.00	0.04	0.00	0.03
4	1486	2	0.001	1520	2	0.001	5	1	0.200	0.00	0.04	0.00	0.03
5	1486	2	0.001	1517	2	0.001	4	1	0.250	0.00	0.04	0.00	0.03
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Pendimethalin

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	97	0	0.000	102	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	97	0	0.000	102	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	97	0	0.000	102	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	95	0	0.000	100	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	95	0	0.000	100	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Permethrin

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	184	0	0.000	390	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
2	184	0	0.000	390	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
3	184	0	0.000	361	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	28	0	0.000	85	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
5	28	0	0.000	56	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Phencapton

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

CHEMICAL: Phenthoate

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

CHEMICAL: Phorate

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	1155	0	0.000	1662	0	0.000	8	0	0.000	0.00	0.00	0.00	0.00
2	1012	0	0.000	1531	0	0.000	6	0	0.000	0.00	0.00	0.00	0.00
3	488	0	0.000	498	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
4	595	0	0.000	1025	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
5	95	0	0.000	100	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

CHEMICAL: Phosalone

SET	WELLS NO.	WELLS POS.	WELLS RATIO	SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	48	0	0.000	49	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	48	0	0.000	49	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	48	0	0.000	49	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

CHEMICAL: Phosmet

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
1	226	1	0.004	283	0	0.000	4	1	0.250	0.00	0.00	0.00	0.00
2	171	1	0.006	177	0	0.000	3	1	0.333	0.00	0.00	0.00	0.00
3	171	1	0.006	177	0	0.000	3	1	0.333	0.00	0.00	0.00	0.00
4	88	0	0.000	159	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	88	0	0.000	159	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

CHEMICAL: Phosphamidon

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
1	157	0	0.000	508	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
2	102	0	0.000	402	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	2	0	0.000	2	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	100	0	0.000	400	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

CHEMICAL: Picloram

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
1	1285	43	0.033	2150	72	0.033	10	8	0.800	0.00	49.00	0.00	16.60
2	1157	32	0.028	2013	57	0.028	10	8	0.800	0.00	49.00	0.00	16.60
3	468	21	0.045	587	30	0.051	8	5	0.625	0.00	49.00	0.00	16.60
4	987	19	0.019	1770	34	0.019	7	5	0.714	0.00	49.00	0.00	16.60
5	298	8	0.027	357	8	0.022	6	3	0.500	0.00	49.00	0.00	16.60
6	126	11	0.087	137	15	0.109	1	1	1.000	0.02	3.56	0.40	0.40

CHEMICAL: Profluralin

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
1	11	0	0.000	11	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	11	0	0.000	11	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	11	0	0.000	11	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Promecarb

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
1	8	0	0.000	8	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	8	0	0.000	8	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	8	0	0.000	8	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

CHEMICAL: Prometon

SET	WELLS NO.	WELLS POS.	WELLS RATIO	• SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	316	10	0.032	346	20	0.058	5	2	0.400	0.00	29.60	0.00	16.60
2	291	10	0.034	321	20	0.062	4	2	0.500	0.00	29.60	0.00	16.60
3	291	10	0.034	321	20	0.062	4	2	0.500	0.00	29.60	0.00	16.60
4	171	2	0.012	182	4	0.022	3	1	0.333	0.00	29.60	0.00	16.60
5	171	2	0.012	182	4	0.022	3	1	0.333	0.00	29.60	0.00	16.60
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Prometryn

SET	WELLS NO.	WELLS POS.	WELLS RATIO	• SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	470	0	0.000	522	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
2	470	0	0.000	522	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
3	470	0	0.000	522	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
4	96	0	0.000	102	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
5	96	0	0.000	102	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Propachlor

SET	WELLS NO.	WELLS POS.	WELLS RATIO	• SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	679	4	0.006	1155	4	0.003	5	2	0.400	0.00	2.98	0.00	1.60
2	679	4	0.006	1155	4	0.003	5	2	0.400	0.00	2.98	0.00	1.60
3	179	2	0.011	230	2	0.009	4	1	0.250	0.00	2.98	0.00	1.60
4	651	2	0.003	1076	2	0.002	3	1	0.333	0.00	0.50	0.00	0.35
5	151	0	0.000	151	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Propanil

SET	WELLS NO.	WELLS POS.	WELLS RATIO	• SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	85	0	0.000	171	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	85	0	0.000	171	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	85	0	0.000	171	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
4	85	0	0.000	171	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	85	0	0.000	171	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Propargite

SET	WELLS NO.	WELLS POS.	WELLS RATIO	• SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	220	0	0.000	221	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	220	0	0.000	221	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	220	0	0.000	221	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

SET	WELLS NO.	/ POS.	RATIO	SAMPLES NO.	/ POS.	RATIO	STATE NO.	/ POS.	RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	MAXIMUM	STUDY AVG. MINIMUM	MAXIMUM
CHEMICAL: Propazine													
1	372	4	0.011	583	5	0.009	6	3	0.500	0.00	2.50	0.00	0.20
2	316	3	0.009	526	3	0.006	5	2	0.400	0.00	0.20	0.00	0.20
3	316	3	0.009	526	3	0.006	5	2	0.400	0.00	0.20	0.00	0.20
4	264	3	0.011	473	3	0.006	4	2	0.500	0.00	0.20	0.00	0.20
5	264	3	0.011	473	3	0.006	4	2	0.500	0.00	0.20	0.00	0.20
6	56	1	0.018	57	2	0.035	1	1	1.000	N/A	2.50	N/A	N/A
CHEMICAL: Propham													
1	232	0	0.000	233	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	232	0	0.000	233	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	232	0	0.000	233	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Propoxur													
1	14	0	0.000	14	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	14	0	0.000	14	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	14	0	0.000	14	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Pyrethrins													
1	19	0	0.000	19	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	19	0	0.000	19	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	19	0	0.000	19	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Ronnel													
1	64	0	0.000	115	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	9	0	0.000	9	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	9	0	0.000	9	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: Schradan													
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Siduron													
1	17	0	0.000	43	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	17	0	0.000	43	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	17	0	0.000	43	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Silvex													
1	1606	10	0.006	1963	12	0.006	11	2	0.182	0.00	0.62	0.00	0.02
2	1551	1	0.001	1856	1	0.001	10	1	0.100	0.00	0.02	0.00	0.02
3	1100	1	0.001	1184	1	0.001	8	1	0.125	0.00	0.02	0.00	0.02
4	701	0	0.000	998	0	0.000	6	0	0.000	0.00	0.00	0.00	0.00
5	301	0	0.000	377	0	0.000	4	0	0.000	0.00	0.00	0.00	0.00
6	55	9	0.164	107	11	0.103	1	1	1.000	0.00	0.62	0.01	0.01
CHEMICAL: Simazine													
1	2732	137	0.050	3435	186	0.054	21	13	0.619	0.00	16.00	0.00	11.00
2	2724	132	0.048	3429	180	0.052	20	12	0.600	0.00	16.00	0.00	11.00
3	2181	121	0.055	2361	161	0.068	17	10	0.588	0.00	16.00	0.00	11.00
4	1199	37	0.031	1634	53	0.032	12	7	0.583	0.00	9.10	0.00	9.10
5	656	26	0.040	566	34	0.060	10	6	0.600	0.00	9.10	0.00	9.10
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Simetone													
1	30	0	0.000	36	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	30	0	0.000	36	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	30	0	0.000	36	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
4	30	0	0.000	36	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	30	0	0.000	36	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

CHEMICAL: Simetryn

SET	WELLS NO.	WELLS / POS.	WELLS RATIO	* SAMPLES NO.	SAMPLES / POS.	SAMPLES RATIO	STATE NO.	STATE / POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	148	0	0.000	155	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
2	148	0	0.000	155	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
3	148	0	0.000	155	0	0.000	3	0	0.000	0.00	0.00	0.00	0.00
4	96	0	0.000	102	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
5	96	0	0.000	102	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Sodium chlorate

SET	WELLS NO.	WELLS / POS.	WELLS RATIO	* SAMPLES NO.	SAMPLES / POS.	SAMPLES RATIO	STATE NO.	STATE / POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	9	0	0.000	9	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	9	0	0.000	9	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	9	0	0.000	9	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Sulfallate

SET	WELLS NO.	WELLS / POS.	WELLS RATIO	* SAMPLES NO.	SAMPLES / POS.	SAMPLES RATIO	STATE NO.	STATE / POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

CHEMICAL: Sulfotep

SET	WELLS NO.	WELLS / POS.	WELLS RATIO	* SAMPLES NO.	SAMPLES / POS.	SAMPLES RATIO	STATE NO.	STATE / POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

CHEMICAL: Sulprofos

SET	WELLS NO.	WELLS / POS.	WELLS RATIO	* SAMPLES NO.	SAMPLES / POS.	SAMPLES RATIO	STATE NO.	STATE / POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	95	1	0.011	100	20	0.200	1	1	1.000	0.00	1.40	0.00	1.35
2	95	1	0.011	100	20	0.200	1	1	1.000	0.00	1.40	0.00	1.35
3	95	1	0.011	100	20	0.200	1	1	1.000	0.00	1.40	0.00	1.35
4	95	1	0.011	100	20	0.200	1	1	1.000	0.00	1.40	0.00	1.35
5	95	1	0.011	100	20	0.200	1	1	1.000	0.00	1.40	0.00	1.35
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: TCP													
1	17	1	0.059	60	2	0.033	1	1	1.000	0.10	0.76	0.43	0.43
2	17	1	0.059	60	2	0.033	1	1	1.000	0.10	0.76	0.43	0.43
3	17	1	0.059	60	2	0.033	1	1	1.000	0.10	0.76	0.43	0.43
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: TDE													
1	1442	2	0.001	1437	2	0.001	7	1	0.143	0.00	6.20	0.00	4.80
2	1247	2	0.002	1331	2	0.002	6	1	0.167	0.00	6.20	0.00	4.80
3	1201	2	0.002	1242	2	0.002	5	1	0.200	0.00	6.20	0.00	4.80
4	238	2	0.008	286	2	0.007	3	1	0.333	0.00	6.20	0.00	4.80
5	238	2	0.008	243	2	0.008	2	1	0.500	0.00	6.20	0.00	4.80
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: TEPP													
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Tebuthiuron													
1	3	2	0.667	17	13	0.765	2	1	0.500	0.00	380.00	0.00	276.67
2	3	2	0.667	17	13	0.765	2	1	0.500	0.00	380.00	0.00	276.67
3	3	2	0.667	17	13	0.765	2	1	0.500	0.00	380.00	0.00	276.67
4	1	0	0.000	1	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	1	0	0.000	1	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Tecnazene													
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS			* SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: Terbacil													
1	15	0	0.000	3	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	15	0	0.000	3	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	15	0	0.000	3	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	12	0	0.000	N/A	N/A	N/A	1	0	0.000	0.00	0.00	0.00	0.00
5	12	0	0.000	N/A	N/A	N/A	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Terbufos													
1	1979	7	0.004	2143	9	0.004	9	1	0.111	0.00	12.00	0.00	11.00
2	1867	0	0.000	2088	0	0.000	8	0	0.000	0.00	0.00	0.00	0.00
3	1443	0	0.000	1461	0	0.000	6	0	0.000	0.00	0.00	0.00	0.00
4	1831	0	0.000	1974	0	0.000	5	0	0.000	0.00	0.00	0.00	0.00
5	1431	0	0.000	1449	0	0.000	4	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Terbutryn													
1	52	0	0.000	60	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	52	0	0.000	60	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	52	0	0.000	60	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
4	1	0	0.000	1	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	1	0	0.000	1	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Tetrachlorvinphos													
1	57	0	0.000	108	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	2	0	0.000	2	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	2	0	0.000	2	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Tetradifon													
1	109	0	0.000	160	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	54	0	0.000	54	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	54	0	0.000	54	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00

	WELLS			* SAMPLES			STATE			CONCENTRATION RANGES IN PPB			
										ABSOLUTE		STUDY AVG.	
SET	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: Thanite													
1	1	0	0.000	1	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	1	0	0.000	1	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	1	0	0.000	1	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Thiobencarb													
1	389	0	0.000	489	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	389	0	0.000	489	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	389	0	0.000	489	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Thiodicarb													
1	8	0	0.000	59	0	0.000	2	0	0.000	N/A	N/A	N/A	N/A
2	8	0	0.000	59	0	0.000	2	0	0.000	N/A	N/A	N/A	N/A
3	8	0	0.000	59	0	0.000	2	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Thionazin													
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: Toluene													
1	N/A	N/A	N/A	N/A	N/A	N/A	1	1	1.000	0.00	0.20	0.20	0.20
2	N/A	N/A	N/A	N/A	N/A	N/A	1	1	1.000	0.00	0.20	0.20	0.20
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Toxaphene

SET	WELLS NO.	WELLS POS.	WELLS RATIO	* SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	2347	2	0.001	2886	2	0.001	12	1	0.083	0.00	4910.00	0.00	3205.00
2	2177	2	0.001	2856	2	0.001	12	1	0.083	0.00	4910.00	0.00	3205.00
3	2118	2	0.001	2666	2	0.001	10	1	0.100	0.00	4910.00	0.00	3205.00
4	519	2	0.004	858	2	0.002	6	1	0.167	0.00	4910.00	0.00	3205.00
5	519	2	0.004	727	2	0.003	5	1	0.200	0.00	4910.00	0.00	3205.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Triadimefon

SET	WELLS NO.	WELLS POS.	WELLS RATIO	* SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	9	0	0.000	16	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	9	0	0.000	16	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	9	0	0.000	16	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Triallate

SET	WELLS NO.	WELLS POS.	WELLS RATIO	* SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	51	8	0.157	98	9	0.092	1	1	1.000	0.00	0.13	0.01	0.01
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	51	8	0.157	98	9	0.092	1	1	1.000	0.00	0.13	0.01	0.01

CHEMICAL: Triazine screen

SET	WELLS NO.	WELLS POS.	WELLS RATIO	* SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	2	0	0.000	1	0	0.000	2	0	0.000	N/A	N/A	N/A	N/A
2	2	0	0.000	1	0	0.000	2	0	0.000	N/A	N/A	N/A	N/A
3	2	0	0.000	1	0	0.000	2	0	0.000	N/A	N/A	N/A	N/A
4	1	0	0.000	N/A	N/A	N/A	1	0	0.000	N/A	N/A	N/A	N/A
5	1	0	0.000	N/A	N/A	N/A	1	0	0.000	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

CHEMICAL: Trichlorfon

SET	WELLS NO.	WELLS POS.	WELLS RATIO	* SAMPLES NO.	SAMPLES POS.	SAMPLES RATIO	STATE NO.	STATE POS.	STATE RATIO	CONCENTRATION RANGES IN PPB ABSOLUTE MINIMUM	ABSOLUTE MAXIMUM	STUDY AVG. MINIMUM	STUDY AVG. MAXIMUM
1	124	0	0.000	128	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	124	0	0.000	128	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	124	0	0.000	128	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PESTICIDES IN GROUND WATER DATA BASE
SUMMARY ASSESSMENT BY CHEMICAL

SET	WELLS			* SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: Trichloronate													
1	1	0	0.000	1	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	1	0	0.000	1	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	1	0	0.000	1	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Triclopyr													
1	88	0	0.000	159	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	88	0	0.000	159	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
3	88	0	0.000	159	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
4	88	0	0.000	159	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	88	0	0.000	159	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Trifluralin													
1	2561	24	0.009	2986	32	0.011	14	6	0.429	0.00	5.40	0.00	4.05
2	2395	15	0.006	2960	23	0.008	13	5	0.385	0.00	5.40	0.00	4.05
3	1861	13	0.007	1995	19	0.010	10	5	0.500	0.00	2.20	0.00	1.28
4	2309	6	0.003	2823	9	0.003	9	4	0.444	0.00	5.40	0.00	4.05
5	1807	4	0.002	1890	5	0.003	7	4	0.571	0.00	2.20	0.00	1.28
6	1	1	1.000	1	1	1.000	1	1	1.000	0.00	0.03	0.03	0.03
CHEMICAL: Vernolate													
1	2	0	0.000	2	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	2	0	0.000	2	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	2	0	0.000	2	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Zineb													
1	10	0	0.000	38	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
2	10	0	0.000	38	0	0.000	2	0	0.000	0.00	0.00	0.00	0.00
3	10	0	0.000	10	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	28	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

SET	WELLS			SAMPLES			STATE			CONCENTRATION RANGES IN PPB ABSOLUTE		STUDY AVG.	
	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	NO.	/ POS.	RATIO	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
CHEMICAL: Ziram													
1	236	0	0.000	238	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
2	236	0	0.000	238	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
3	236	0	0.000	238	0	0.000	1	0	0.000	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHEMICAL: Zytron													
1	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	55	0	0.000	106	0	0.000	1	0	0.000	0.00	0.00	0.00	0.00
CHEMICAL: p-Nitrophenol													
1	143	3	0.021	143	3	0.021	1	1	1.000	4.00	20.00	12.80	12.80
2	143	3	0.021	143	3	0.021	1	1	1.000	4.00	20.00	12.80	12.80
3	143	3	0.021	143	3	0.021	1	1	1.000	4.00	20.00	12.80	12.80
4	143	3	0.021	143	3	0.021	1	1	1.000	4.00	20.00	12.80	12.80
5	143	3	0.021	143	3	0.021	1	1	1.000	4.00	20.00	12.80	12.80
6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

APPENDIX E
BIBLIOGRAPHY

PESTICIDES IN GROUND WATER DATA BASE
BIBLIOGRAPHY

Ref. Number	Full Reference	Comments
AL001	French, James H. Tennessee Valley Authority. Letter to Douglas Parsons, USEPA, dated October 17, 1988.	Letter is addressed to David Parsons - should read Douglas Parsons.
AR001	Lavy, T.L., J.D. Mattice, and T.C. Cavalier, "Analysis of Groundwater for Trace Levels of Pesticides", Pub. NO. 118, prepared by Altheimer Laboratory, Dept. Of Agronomy, University of Arkansas, for the U.S. Dept. of Interior, Sept. 1985.	Samples taken from 3 SE areas of the State, with heavy agricultural production. GLC or HPLC analytical methods used to detect pesticides. Detection limit was between 1 - 5 ppb. This information was confirmed by Terry L. Lavy, University of Arkansas with a telephone call to Douglas W. Parsons on August 16, 1988.
AR002	Cavalier, Tom C.; Lavy, Terry L. and Mattice, John D. "Monitoring Groundwater in Arkansas for the Presence of Pesticides" University of Arkansas, Department of Agronomy.	This information was confirmed by Terry L. Lavy, University of Arkansas with a telephone call to Douglas W. Parsons on August 16, 1988. This information was taken from the abstract of the report.
AZ001	Ellingson, S.B. and M.B. Redding, "Random Survey of VOC's, Pesticides and Inorganics in Arizona's Drinking Water Wells", prepared by the Arizona Department of Environmental Quality and published in the proceedings of: FOCUS Conference on Southwestern Ground Water Issues held on March 23-25, 1988, Albuquerque, New Mexico, 1988.	Analytical confirmation included in paper. Orign of contamination and interpretation not yet verified by authors.
CA001	Brown, M., C. Cardoza, S. Nicosia, J. Toiano, S. Ali, "Sampling for Pesticide Residues in California Well Water: 1986 Well Inventory Data Base", First Annual Report to the Legislature, State Department of Health Services, and State Water Resources Control Board pursuant to the Pesticide Contamination Prevention Act, prepared by the Hazards Assessment Program, Environmental Monitoring and Pest Management Branch, California Department of Food and Agriculture, Dec. 1, 1986.	Comprehensive compilation of monitoring studies in California. Concentrations not indicated. Full data base requested by HED.
CA901	California Water Quality Control Board, "Control of Pesticide Discharges to North Coast Waters", North Coast Region, Nov. 21, 1984.	Funded in part through Areawide Waste Treatment Management Continuing Planning Program from U.S. EPA, Region IX under Fed. Water Poll Control Act Section 208.
CA902	Oshima, R.J., G. Torres, S.J. Nelson, and T.M. Mischke, "Monitoring Selected Ground Water Basins for the Presence of Aldicarb: A Cooperative California Interagency Study", Califronia Dept. of Food and Agriculture, State Water Resource Control Board, and Department of Health Services, April 1980.	
CA903	Letter dated 3/19/85 to F. Sanders, U.S. EPA/OPTS from	

Ref. Number	Full Reference	Comments
	J.S. Lovell, Union Carbide Agricultural Products Co. Inc.	
CA904	Jones, R.L. "Central California Studies on the Degradation and Movement of Aldicarb Residues" Journal of Contaminant Hydrology, Volume 1:287-298. 1987.	Article reports on three studies, one of which included shallow ground water monitoring. This was an application of 4.46 kg/ha to grapes. There were 27 wells in 9 clusters; with 4 clusters installed 11 months after application.
CA905	Jones, R.L. "Progress Report: Measurement of Aldicarb Degradation and Movement for Winter Application to Grapes" Study submitted by Rhone Poulenc Ag. Company. 1988.	Experimental site planted with grapes. Aldicarb was applied 12/85 at 4.48 kg/ha. First water sample was taken 1.3 years after application, 5 weeks, 1 in the center of plot, and 4 outside of plot, one 15 meters from each of 4 sides of the plot.
CO001	Miller, M.P., E.P. Savage, D.D. Adrian, M.J. Aaronson, T.J. Keefe, D.H. Hamar, and J.T. Tessari, "Groundwater Transport of the Herbicide Atrazine, Weld County, Colorado", Colorado State University Institute of Rural Environmental Health and Dept. of Pathology, and Louisiana State University Dept. of Civil Engineering, 1987.	Information confirmed by E. P. Savage, Colorado State University on August 9, 1988 with a telephone conversation with Douglas W. Parsons.
CT001	Letter dated 8/27/86 to Stuart Cohen, U.S. EPA/OPP/HED from Bradford Robinson, State of Conneticut, Dept. of Environmental Protection.	This information was confirmed by Gregory J. Piontek, of the Connecticut Department of Environmental Protection, with a letter dated August 24, 1988 addressed to Douglas W. Parsons, USEPA.
CT002	Connecticut Department of Environmental Protection, "Study of Pesticide Contamination in Connecticut's Ground Water", Interim Report, Febuary 1988.	This information was confirmed by Gregory J. Piontek of Connecticut Department of Environmental Protection, with a letter to Douglas W. Parsons, USEPA, dated August 24, 1988.
FL001	Letter dated 1/4/88 to M. Lorber, U.S. EPA/OPP from R. Inman, Florida Dept. of Agriculture and Consumer Services.	Describes findings of Bromacil in Florida. This record is superceded by later records and corespondences.
FL002	Letter dated 6/30/87 to M. Lorber, U.S. EPA/OPP/HED, from H. A. Moye, University of Florida - Gainesville. Letter dated 11/20/87 to M. Lorber, U.S. EPA/OPP/HED, from M. H. Maglodi, University of Florida - Gainesville.	Correspondence describes 1st and 2nd round analytical results from sampling sponsored by U.S. EPA, Florida DER, and Univ. of Florida in Collier County, Florida. The analytical results are derived from the documents entitled: "Report on Spring/Fall Season Sampling of Phase I (October - January 1987) and (April - July 1987) of EPA/DER Collier County Water Study: Analysis of Water Samples. This information was confirmed by Steve Dwinell, Florida Department of Environmental Regulation, with a telephone conversation with Douglas W. Parsons, USEPA.
FL003	Environmental Science and Engineering, Inc.,	This information is not confirmed.

Ref. Number	Full Reference	Comments
	"Health-Based Target Concentrations for Tropical Research and Education Center (TREC), Homestead, Florida", ESE #87-362-0100-2130, prepared for the Institute of Food and Agricultural Sciences (IFAS), University of Florida, Gainesville, Dec. 1987. Environmental Science and Engineering, Inc., "Health-Based Target Concentrations for North Florida Research and Education Center (NFREC), Quincy, Florida", ESE #87-362-0102-2140, prepared for the Institute of Food and Agricultural Sciences (IFAS), University of Florida Gainsville, Oct. 1987. Environmental Science and Engineering, Inc., "Health-Based Target Concentrations for Everglades Research and Education Center (EREC), Belle Glade, Florida", ESE #87-362-0100-2130, prepared for the Institute of fodd and Agricultural Sciences, (IFAS) University of Florida, Gainesville, Florida. October 1987.	
FL004	Letter dated 8/18/87 to M. Lorber, U.S. EPA/OPP, from R.Inman, Florida Dept. of Agriculture and Consumer Services.	Letter with attachment summarizing Florida Dept. of Agriculture and Consumer Services' drinking water well testing program from FY 84-85 through 86-87. This information is superceded by FL007, and the final report.
FL005	Letter dated 02/09/88 to G.F. Kotas USEPA, ODW, from David S. Vogel; Florida Dept. of Env. Regulation. Palm Beach County. Phase I results.	
FL006	Letter dated 03/14/88 to Martin Williams, USEPA/OPP/HED, from Richard J. Budell, Florida Dept. of Ag. & Cons. Services.	This information is accurate and confirmed, yet it will be superceded by the final report.
FL007	Budell, Richard J. Florida Department of Agriculture and Consumer Services. Letter dated March 14, 1988 to W. Martin Williams, USEPA. Attached to the letter is a computer print out of the laboratory results from the 5 County survey.	Computer printout of 5-county survey. Sites to be sampled are selected based on pesticide use information, and geological chareristics - which are likely to enhance groundwater contamination from pesticides. Positive wells are resampled and analyzed to confirm the results, and investigated to assess the origin of the contamination. Confirmation information obtained through a telephone conversation on September 27, 1988 with Douglas W. Parsons, USEPA and Theodore C. McDowell, Florida Department of Agriculture and Consumer Services.
FL901	Letter dated 11/11/87 to C. Aller, Florida Dept. of Environmental Regulation from R. Jones, Rhone-Poulenc	Describes results from RP/DER Highlands County site 1.

Ref. Number	Full Reference	Comments
	Agricultural Company.	
FL902	Florida Department of Environmental Regulation, summaries of monitoring results from observation wells at filed testing sites jointly run by DER and Union Carbide Agricultural Products Company, 1986.	42 sites in 10 counties - each site given a separate subreference number. This study was updated and coded by Matt Lorber in October, 1988.
FL903	Union Carbide, "Temik Aldicarb Pesticide Residues in Florida", Union Carbide Agricultural Products Company, Inc., Research Triangle Park, North Carolina, 1983.	
FL904	Miller, W.M., J.M. Davidson, J.A. Foran, and H A. Moye, "The Florida Temik Study Groundwater Monitoring", prepared for U.S. EPA, contract no. CR811606, prepared by University of Florida, 1984.	Congressionally mandated study, extensive sampling in 30+ countiessaid to represent 84% of ground-water drinking water in monitored counties. This information was confirmed by Anson Moye, University of Florida.
FL905	Union Carbide, summaries of monitoring data for aldicarb in Florida near Lake Hamilton, 1986.	Update provided annually. Last update dated 1/31/86, last cover letter found dated 8/13/85 to M. Branigan, U.S. EPA/OPP/RD from J. Lovell, Union Carbide Agricultural Products Co., Inc.
GA001	McConnell, J.B., "Movement and Fate of Ethylene Dibromide in Ground Water in Seminole County, Georgia", U.S. Geological Survey, Water Resources Investigations Report 87-5030, Doraville, Georgia, 1987.	
HI001	Memorandum dated 5/20/87 to C. Jones, U.S. EPA from B. Kaneshiro, EPA Region IX.	"News Release" attached with no specific data and only general info on Atrazine and Hexazinone; well records attached unrelated to "News Release"; additional memo attached reporting further findings of Atrazine; poor data for number compilation. This data is NOT confirmable.
HI002	Oki, D.S. and T.S. Giambelluca, "DBCP, EDB, and TCP Contamination of Ground Water in Hawaii", University of Hawaii, draft paper submitted to Journal of Contaminant Hydrology in February 1986.	Data is compilation and summary of monitoring efforts by different agencies and individuals. Included are well data logs which are used to estimate average concentrations of the three pesticides - source and reference of these logs unknown. No confirmation work done as of October 3, 1988.
HI003	Letter with attachment dated 1/26/88 to M. Lorber, U.S.EPA/OPP/HED from W. Wong, State of Hawaii, Department of Health, Environmental Protection and Health Services Division.	Waiting for response.
HI004	Letter dated 1/18/88 to Richard Mountfort, U.S.EPA/OPP/RD from Karen Stumpf, CIBA-GEIGY Corporation, Agricultural Division.	Enclosed attachment: Borg, J., "Pesticides found in 8 Oahu Wells", article from unidentified newspaper dated 10/31/87.

Ref. Number	Full Reference	Comments
		This reference is NOT confirmable.
IA001	Hallberg, G.R., R.D. Libra, E.A. Bettis, and B.E. Hoyer, "Hydrogeologic and Water Quality Investigations in the Big Spring Basin, Clayton County, Iowa, 1983 Water-Year", Iowa Geological Survey Open File Report 84-4.	Confirmation updated by Tery Becker on 9/22/88. This information was confirmed by Robert D. Libra, Iowa Department of Natural Resources with a letter to Douglas W. Parsons, USEPA, dated August 31, 1988.
IA002	Libra, R.D., G.R. Hallberg, G.G. Ressmeyer, and B.E. Hoyer, "Groundwater Quality and Hydrogeology of Devonian-Carbonate Aquifers in Floyd and Mitchell Counties, Iowa", Iowa Geological Survey Open File Report 84-2, 1984.	Confirmation updated by Tery Becker on September 27, 1988. This information was confirmed by Robert D. Libra, Iowa Department of Natural Resources with a letter to Douglas W. Parsons, USEPA, dated August 31, 1988.
IA003	Kelley, R. and W. Wnuk, "Little Sioux River Synthetic Organic Compound Municipal Well Sampling Survey", Iowa Department of Water, Air, and Waste Management, March 1986.	This information was confirmed by Richard D. Kelley, Iowa Department of Natural Resources with a letter to Douglas W. Parsons, USEPA, dated September 14, 1988. This reference needs to be updated with report published March 1988.
IA004	Kelly, Richard D. Synthetic Organic Compound Sampling Survey of Public Water Supplies. Iowa Department of Water, Air and Waste Management. April 1985.	Name: Iowa DWAWM changed to Iowa Department of Natural Resources. This information was confirmed by Richard D. Kelley, Iowa Department of Natural Resources with a letter to Douglas W. Parsons, USEPA, dated September 14, 1988.
IA005	Baker, J.L. and T.A. Austin, "Impact of Agricultural Drainage Wells on Groundwater Quality", Completion Report 1981 - 1983, EPA Grant No. G007228010, Departments of Agricultural Engineering and Civil Engineering, Iowa State University, 1983.	This study was designed to monitor water from drainage wells, therefore we will not use this information - due to the known point source of contamination.
ID001	Campbell, Linford J., "Concentrations of Pesticides in Irrigation Return Flows Influent to Waste Disposal Wells in Southern Idaho", Idaho Dept. of Water Resources, April 1982.	95 pesticides looked for in 106 samples. 18 positives but all below drinking water standards. Part of Idaho DWR Irrigation Disposal Well Alternatives Study. This information was confirmed by Linford J. Campbell, Idaho Department of Water Resources with a letter to Douglas W. Parsons, USEPA, dated August 18, 1988.
ID901	Brokopp, C.D., "Examination of Drinking Water for Aldicarb", Idaho Pesticide Hazard Assessment Project, State of Idaho, Dept. of Health and Welfare, April 1981.	Report documents calculated half-lives, numerous states.
IL001	Felsot, A., "Survey for Pesticides in Ground-Water Supplies in Illinois", prepared by Illinois Natural History Survey, 1985.	This information is NOT confirmed. Douglas W. Parsons, USEPA spoke with Allan Felsot on August 8, 1988 and he did not like the quality and design of the study.

PESTICIDES IN GROUND WATER DATA BASE
BIBLIOGRAPHY

Ref. Number	Full Reference	Comments
IL002	McKenna, D.P. and S.J. Chou, "Agricultrual Chemicals in Ground Water in Mason County", Illinois State Geological Survey, Champaign, Illinois, 1987.	
IL003	Cobb, R.P. and C.L. Sinnott, "Organic Contaminants in Illinois Ground Water", Illinois Environmental Protection Agency, Springfield, Illinois, 1987.	This information was confirmed by Carol Sinnott, Illinois Environmental Protection Agency with telephone calls to Douglas W. Parsons, USEPA.
IN001	Indiana Department of Environmental Management "Assessment of Nonpoint Source Pollution of Ground Water in Indiana" July, 1988.	This is the first assessment of pesticides in ground water, contains some monitoring results and discusses future studies.
KS001	Robbins, Vic, "Pesticides in Kasas Ground Water", Kansas Dept. of Health and Environment, Bureau of Water Protection, Water Protection, Water Quality Assessment, May 1988.	Summarizes three statewide surveys: 1) Kansas Groundwater Quality Monitoring Netowrk (started 1976), 2) Phases 1 and 2 Farmstead Well Survey (1986-1987), and 3) Public Water Supply Well Survey (1987).
KS002	Robbins, Vic, Kansas Dept. of Health & Environment, personnel communication to W.M. Williams, U.S. EPA/OPP, 8/12/88.	
LA001	H.F. "Butch" Calhoun III, 1987 Survey of Louisianna Ground Water for Pesticides. Louisianna Department of Agriculture & Forestry, April 26, 1988.	Counties: Morehouse, Caldwell, Franklin, Tensas, Bossier, Natchitoches, Avoyelles, Tangipahoa, Acadia, Iberia, Lafourche, Plaquemines. Mailed confirmation out on Sept 27, 1988.
MA001	Sylva, S.R., A. Schumacher, B. Walker, Jr., and J.S. Hyte, "1985 Summary Report: Interagency Pesticide Monitoring Program", publication #14,653-15-200-12-86-CR, prepared by the Interagency Pesticide Task Force consisting of MA Dept. of Environmental Quality Engineering, MA Dept. of Food and Agrigulture, MA Dept. of Public Health, and MA Executive Office of Environmental Affairs, Dec. 1986.	Study designed to look for pesticides in ground water near potato and/or tobacco; all counties - 27 townships sampled; 80% private, 14% public drinking water wells. Waiting
MA002	Cape Cod Planning and Economic Development Commission, "Project Summary: Cape Cod Golf Course Ground Water Monitoring", April 1987.	Joint study conducted by US EPA/OPP and CCPEDC. 4 golf courses; 4 observation wells per course; 1 well each of : background, green, tee, and fairway. Requires more work!!
MA901	Letter dated 3/19/85 to F.T. Sanders, U.S. EPA/OPTS from J. S. Lovell, Union Carbide Agricultural Products Company.	Summarizes Massachusetts Department of Food and Agriculture findings.
MA902	Jones, R.L. "Progress Report: Measurement of Aldicarb Degradation and Movement in a Massachusetts Potato Field" Study submitted by Rhone Poulenc Ag. Company.	Cooperative field research project between registrant and Massachusetts Department of Agriculture. Study included 22 wells, 11 clusters with: 1 upgradiant; 3 onsite; 7, 10-100

Ref. Number	Full Reference	Comments
		meters down gradient; and the application rate was 2.24 kg/ha on 6/86.
MD001	Pinto, E., "Report of Groundwater Contamination Study in Wicomico County, Maryland", prepared by Environmental Health Division, Wicomico County Health Deparment, June 1980.	Study evaluated 1,2-Dichloropropane (from Telone, D-D, among other identified pesticide trade names given) and DBCP in groundwater by sampling existing domestic and irrigation on and near fields of known use - also drilled some new observation wells which also had positives indicating source of contamination was normal use. This study needs more work - because there was a followup report.
MD002	Letter dated 1/31/80 to H. Jacoby, U.S. EPA from A.E. Schober, Registration Specialist, Dow Chemical.	Describes findings of DBCP and 1,2-Dichloropropane in Maryland - with attachments. Study by MD Dept of Health and Mental Hygiene, "Study of Ground Water Contamination in Wicomico County, MD, 1980-81". Analyzed by two labs: Dow values consistantly lower probably due to loss in headspace of samples.
MD003	State of Maryland, "Results of a Maryland Ground Water Herbicide Reconnaissance Survey, Spring, 1987," prepared by the Maryland Department of the Environment.	Confirmation updated by Tery Becker on 9-22-88. This information was confirmed by Donald L. Elmore, Maryland Department of the Environment with a letter to Douglas W. Parsons, USEPA, dated September 12, 1988.
MD004	Isensee, A.R., C.S. Helling, T.J. Gish, P.C. Kearney, C.B. Coffman, and W. Zhuang, "Groundwater Residues of Atrazine, Alachlor, and Cyanazine under No-tillage Practices", Chemosphere, Vol.17, No.1, pp 165-174, 1988.	This information was confirmed by Allan R. Isensee, United States Department of Agriculture, Agriculture Research Service with a letter to Douglas W. Parsons, USEPA dated August 29, 1988.
ME001	Tolman, A.L., "First Annual Report - Pesticides in Ground Water Study", Open File No. 86-13, Maine Geological Survey, Department of Conservation, 1986.	Poorly described study - not clear how many pesticides sampled in 46 wells/60 samples; only positives listed; not all wells sampled for all pesticides; all positives described as "trace" - detected but less than MLD for which statiscally sound recovery data is available. This study is superceded by ME002, the Second Annual Report.
ME002	Neil, Craig D.; Williams, John S. and Weddle, Thomas K. "Second Annual Report - Pesticides in Ground Water Study." Maine Geological Survey, Department of Conservation. 1987	This study supercedes the First Annual Report (ME001). It is a three year evaluation of P/GW, and represents the "worst case situation." Dinoseb was detected greater than the Health Advisory (i.e. 2ug/L).
ME901	Letter dated 8/27/85 to M. Branagan, U.S. EPA/OPP/RD from J.S. Lovell, Union Carbide Agricultural Products Co., Inc.	Updates submitted annually.

Ref. Number	Full Reference	Comments
ME902	Inter-departmental memorandum dated 1/6/88 to State of Maine Pesticides Control Board from Henry Jennings, State of Maine Pesticides Control Board.	Includes attachments and a letter dated 12/17/87 to Rober Bateese, Jr., Maine Dept. of Agriculture, Board of Pesticides Control from Mitchell Peele, Rhone-Poulenc Ag Company. Henry Jennings, Maine Department of Agriculture looked over the numbers and said they were all correct, but he can not add any information on the analytical technique since Union Carbide did all the analytical work.
MI001	Letter dated 8/24/87 to R.F. Mountfort, U.S.EPA/OPP/RD from Karen Stumpf, CIBA-GEIGY Corporation, Agricultural Division.	Reported findings of Michigan State University and Michigan Dept. of Public Health.
MN001	Klaseus, T. "Minnesota Pesticide Monitoring Survey Interim Report" Presented by the Minnesota Department of Agriculture and the Minnesota Department of Health, at a conference sponsored by the Freshwater Foundation and the U.S. Environmental Protection Agency, at St. Paul, Minnesota, on October 16, 1986.	This report is preliminary, and is superceded by MN002, entitled "Pesticides and Ground-Water Surveys of Selected Minnesota Wells.
MN002	Klaseus, Tomas G. "Pesticides and Ground-water Surveys of Selected Minnesota Wells" Minnesota Dept. of Health; Minnesota Dept. of Agriculture. February, 1988.	Supercedes MN001. This information was confirmed by Tomas G. Klaseus, Minnesota Department of Agriculture with many letters and telephone calls to Douglas W. Parsons, USEPA, in September 1988.
MS001	Mississippi State University, "Mississippi Pesticide Hazard Assessment Project", Annual Progress Report No. 15, Mississippi State Chemical Laboratory, Mississisippi State, MS, May 1984.	Supported by EPA/OPP/HED/EAB under agreement number CR 810 687-1. 32 pesticides were looked for in 143 water samples from 10 counties, including organochlorine, organophosphate, phenolic pesticides, phenoxy herbicides and aldicarb. This information was confirmed by Larry G. Lane, Mississippi State Chemical Laboratory, MSU with a letter to Douglas W. Parsons, USEPA, dated September 21, 1988.
MT001	Montana Department of Agriculture, "A Survey of GroundwaterContamination by Pesticides in Montana" Prepared by Environmental Management Division, August 1987.	Ongoing study; health guidelines presented; funded by EPA. Three distinct agricultural production areas including one highly vulnerable aquifer. Wells 14-250 ft deep.
NC001	Letter dated 4/28/87 to R. Taylor, U.S. EPA/OPP/RD from T.J. Parshley, CIBA-GEIGY Corporation, Agricultural Division, Greensboro, NC.	Information letter: registrant will continue investigation and keep EPA informed. This information was confirmed by Karen S. Stumpf, CIBA-GEIGY, with a letter to Tereas Becker, USEPA, dated October 24, 1988.
NC002	Letter dated 10/8/87 to Lois Rossi, EPA/OPP/RD from Karen Stumpf, CIBA-GEIGY Corporation, Agricultural	Findings from "most recent round of sampling in ongoing monitoring project". EPA/OPP/HED has requested EPA/OPP/RD

Ref. Number	Full Reference	Comments
	Division.	to obtain more information on monitoring study. This information has been confirmed by Karen S. Stumpf, CIBA-GEIGY with a letter to Teresa Becker, USEPA, dated October 24, 1988.
NC901	North Carolina Department of Agriculture, "Preliminary Report: Aldicarb Groundwater Survey Pilot Project, Winter/Spring 1982-1983", prepared by Pesticide Section, Food and Drug Protection Division, June 13, 1983.	Accompanied by letter dated 8/24/84 to Information Services Section, U.S. EPA/OPP from J. Graham, State of North Carolina Department of Agriculture. This information was confirmed by Henry Wade, NCDA with a letter to D. Parsons, USEPA dated 9/19/88.
ND001	Glatt, L.D., "Pesticide and Herbicide Survey of Selected Municipal Drinking Water Systems in North Dakota", Noth Dakota State Department of Health, 1986.	Confirmation updated by Tery Becker on 9/22/88. This information was confirmed by David Glatt, North Dakota State Department of Health and Consolidated Laboratories with the completed analytical questionnaire and corrections on the data base printout.
ND002	Glatt, L.D., "1985 Ground Water Investigation to Determine the Occurrence of Picloram in Selected Well Sites of Rolette County, North Dakota", Division of Water Supply and Pollution Control, North Dakota State Department of Health, Bismark, North Dakota, Dec. 1985.	Confirmation updated by Tery Becker on 9/22/88. This information was confirmed by David Glatt, North Dakota State Department of Health and Consolidated Laboratories with the questionnaire and corrections on the data base printout sheet.
ND003	Lym, R.G. and C.G. Messersmith, "Survey for Picloram in North Dakota Groundwater", draft report, Dept. of Agronomy, North Dakota State University, 1987.	This information was confirmed by Rodney G. Lym, North Dakota State University with a letter to Douglas W. Parsons, USEPA dated August 30, 1988. This letter included a copy of the final report and information which is more refined.
ND004	Prunty, Lyle and Montgomery, Bruce R. "Temporal Pesticide Leaching Through Irrigated Sandy Loam Soil" North Dakota State University, Department of Soil Science. October 30, 1988.	
NE001	Exner, M.E. and R.F. Spalding, "Ground-Water Contamination and Well Construction in Southeast Nebraska", Ground Water, Vol. 23(1):26-34, 1985.	Sampling of 268 private drinking water wells in Southeast Nebraska for nitrates, total coliform, atrazine and alachlor.
NE002	Chen, H. H. and A.D. Druliner, "Non-point Source Agricultural Chemicals in Ground Water in Nebraska -- Preliminary Results for Six Areas of the High Plains Aquifer", U.S. Geological Survey, Water-Resources Investigative Report 86-4338, Lincoln, NE, 1987.	Part of USGS 1984 Toxic Waste/Ground-Water Contamination Program. Hydrogeologic background given. Includes literature review of other findings. This information was confirmed by Abraham Chen, United States Geological Survey with a letter to Douglas W. Parsons, USEPA, dated September 20, 1988.
NE003	Rettig, B. and Jacobs, C. "1985 Domestic Well Water Sampling in Central Nebraska: Laboratory Findings and Their Implications" Nebraska Department of Health.	This is the first of a four year study, 21 counties involved. Surveying 3 different strata - comparing nitrates, bacteria, radiation and pesticides in

Ref. Number	Full Reference	Comments
	1985.	groundwater. This information was confirmed by Candace A. Jacobs, Nebraska State Health Department through corespondences with Douglas W. Parsons, USEPA during September 1988.
NE004	Jacobs, Candace. "Domestic Well Water Sampling in Nebraska, 1986: Laboratory Findings and Their Implications" Nebraska Department of Health. 1986.	This is the second year of this study, with 11 counties involved. This information was confirmed by Candace A. Jacobs, Nebraska State Health Department through direct corespondences with Douglas W. Parsons, USEPA, during September 1988.
NE005	Jacobs, Candace A. "Domestic Well Water Sampling in Nebraska, 1987 Laboratory Findings and Their Implications" Nebraska Department of Health. 1987.	This is the third year of this study. 22 counties involved, with 6.92% positive detections. This information was confirmed by Candace A. Jacobs, Nebraska State Health Department through direct corespondences with Douglas W. Parsons, USEPA, during September 1988.
NE901	Jones, R.L.; Kirkland, S.D. and Chancey, E.L. "Measurement of Environmental Fate of Aldicarb Residues in a Nebraska Sand Hills Soil" Applied Agriculture Research, Volume 2(3):177-182. 1987.	Experimental field site 2 miles south of Bartlett, NE; 1.68kg/ha applied to corn; 15 shallow wells, 5 clusters of 3 wells, wells located: 3 upgradient, 2 on-site and 2 downgradient.
NJ001	U.S. Geological Survey, "Preliminary Assessment of Water Quality and It's Relation to Hydrogeology and Land Use: Potomac-Raritan-Magothy Aquifer System, New Jersey", preliminary unnumbered Water-Resources Investigation Report, New Jersey District, September 1986.	Transmitted with letter dated 9/3/86 to M. Lorber, U.S.EPA/OPP/HED from P. Leahy, U.S. Geological Survey, New Jersey District. Funded by USGS Toxic Waste Program, one of 14 nationwide projects. This information is superceded by NJ002, the final version of the same report.
NJ002	Barton, Cynthia.; Vowinkel, Eric F. and Nawyn, John. "Preliminary Assessment of Water Quality and Its Relation to Hydrogeology and Land Use: Potomac-Raritan-Magothy Aquifer System, New Jersey." U. S. Geological Survey, Water-Resources Investigations Report 87-4023. 1987.	This report supercedes NJ001, because this is the final version, while NJ001 was "Preliminary." This report analyzes the influence of land use on ground water quality in the Potomac-Raritan-Magothy Aquifer system. This information was confirmed by Eric Vowinkel, USGS, West Trenton, NJ with a letter to Douglas W. Parsons, USEPA dated October 5, 1988.
NJ901	New Jersey State Department of Health, "Report on a Survey of Temik Concentrations in Cumberland and Salem Counties, August - December 1983", #H318-83, Environmental Health Program, 1984.	Transmitted via letter dated 2/16/84 to F.T. Sanders, U.S. EPA/OPP/RD from J.S. Lovell, Union Carbide Agricultural Products Co., Inc. This data is suspect and cannot be confirmed.
NJ902	Letter dated 10/27/83 to F.T. Sanders, U.S. EPA/OPP/RD from J.S. Lovell, Union Carbide Agricultural Products Co., Inc.	
NM001	"Pesticides in Ground Water, New Mexico's Monitoring Program," Ground Water/Hazardous Waste Bureau, New	

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	Mexico Environmental Improvement Division; prepared by Dennis McQuillan.	
NY001	Holden, Patrick, "Pesticides and Groundwater Quality Issues and Problems in Four States", prepared for the Board on Agriculture, National Research Council, National Academy of Sciences, National Academy Press, Washington, D.C. 124 pp. 1986.	This document was renamed from NY001 to US002 on 10/6/88.
NY002	Kim, N.K.and D.W. Stone, "Organic Chemicals and Drinking Water", New York State Dept. of Health, April 1981.	From Appendix E: "New York State Department of Health and United States Geologic Survey Joint Study - Reconnaissance of Organic Contamination of New York State Aquifers, Selected Water Sampling Sites Outside of Long Island, June 1978 - October 1978" This information is NOT confirmable because raw data not retained (letter from Kenneth Slade, New York Department of Health, to D.W. Parsons, USEPA dated 9/13/88.
NY003	Slade, Kenneth, "Report of Statewide Surveillance of Organic Compounds in Selected Community Water Systems, New York State, 1984 - 1985", New York State Department of Health, Bureau of Public Water Supply Protection, April 1987.	Waiting, response not expected back till Oct 20, 1988.
NY004	Letter dated 3/19/86 to Mike McKavit, U.S.EPA from W.S. Neubeck, New York State Department of Law, Environmental Protection Bureau.	Confirmation information recieved from William Neubeck, Professional Geologist 9/21/88.
NY005	Harris, D. and A. Andreoli, "Summary Pesticide Sampling Program 1980 - 1985 prepared for Pesticide/Groundwater Status Meeting - March 25, 1986", prepared by Drinking Water Section, Bureau of Water Resources, Suffolk County Department of Health Services, March 1986.	This information is superceded by the information from Dennis Moran, entitled "Status Report - Pesticide Sampling Program 1980-1987" references as NY009.
NY006	Loria, R., R.E. Eplee, J.H. Baier, T.M. Martin, and D.D. Moyer, "Efficacy of of Sweep-Shank Fumigation with 1,3-Dichloropropene against Pratylenchus Penetrans and Subsequent Groundwater Contamination", Plant Disease 70:42-45, 1976.	This information was confirmed by Rosemary Loria, Cornell University with a letter to Teresa M. Becker, USEPA, dated October 27, 1988.
NY007	Letter dated 10/18/84 to E. Habbrouch from Martin Trent, County of Suffolk, Department of Health Services.	This information is NOT confirmable because documentation is inadequate.
NY008	Letter dated 10/18/84 to A. Tosi from Martin Trent, County of Suffolk, Department of Health Services.	This information is NOT confirmable because documentation is inadequate.
NY009	Harris, David and Andreoli, Aldo. "Status Report	This report supercedes all the previous information for

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	Pesticide Sampling Program 1980-1987." Suffolk County Department of Health Services, Bureau of Drinking Water. May 1988.	Suffolk County. It is a comprehensive assessment of all the monitoring between 1980 and 1988. This information was confirmed by Dennis Moran, Suffolk County Department of Health Services with a letter to Douglas W. Parsons, USEPA, dated September 26, 1988.
NY010	Slade, Kenneth E., "Report of Statewide Surveillance of Organic Compounds in Selected Community Water Systems, 1985-1986," New York State Department of Health.	
NY011	Slade, Kenneth E., "Report of Statewide Survellance of Organic Compounds in Selected Community Water Systems, 1986-1987," New York State Department of Health.	
NY901	Hughes, H.B.F., K.S. Porter, and J.E. Dewey, "Results of 1983 Upstate New York Sampling of Ground Water for Aldicarb", Cornell University, Ithaca, NY, Nov. 1983.	Separate statistics for 6 counties, all potato growing areas; also summarized here in additional sampling by Union Carbide.This information was confirmed by Steven Pacenka, Cornell University with a letter to Douglas W. Parsons, USEPA dated November 7, 1988.
NY902	Hughes, H.B.F. and K.S. Porter, "Tracking Aldicarb Residues in Long Island Ground Water; Results of 1980, 1983, and 1984 Sampling", Water Resources Program, Center for Environmental Research, Cornell University, June 1985.	Three groups of wells, termed "shallow", "medium", and "deep", tested. Concluded that residues are moving deeper. Wells probably included in Suffolk County Dept. of Health monitoring, but uniquely tested for this study. This study is obsolute, see study entitled: Changing Aldicarb Residue Levels in Soil and Ground Water, Eastern Long Island, New York.
NY903	Jones, R.L. "Progress Report: Measurement of Aldicarb Degradation and Movement in an Upstate New York Potato Field" Study submitted by Rhone Poulenc Ag. Company. 1988.	Experimental field site, a total of 3.54 kg/ha of aldicarb was applied on 6/86 to potatoes. 25 wells were installed with 2-3 wells in each cluster. One cluster upgradient, 4 down gradient at 5-30 meters from field edge and remainder on site.
OK001	Oklahoma State Dept. of Agriculture, "Exploratory Study on the Extent of Ground-Water Contamination from Agricultural Use of Selected Pesticides in Oklahoma (Pesticides in Ground Water)", submitted to the Oklahoma Pollution Control Coordinating Board and U.S. EPA by the Plant Industry Division, April 1987.	Objectives: 1) determine extent of GW contamination, 2) infer vulnerable areas, 3) contribute to national database, 4) recommend regulations in OK, and 5) recommend further monitoring. 26 pesticides looked for in suspect wells. This information was confirmed by A.L. Bonner and Dave Warrick at the Oklahoma Department of Agriculture with correspondences and telephone calls, see file for dates.
OR001	Memorandum dated 11/7/85, to R. Thiel, U.S. EPA, Drinking Water Programs Branch, from G. Bruck, U.S. EPA, Drinking Water Programs Branch.	Subject: "Preliminary results of May 1985 ground-water sampling in Ontario, Oregon area". EPA Region 10 headquarters in Seattle, WA.
PA001	Fishel, D.K. and P.L. Lietman, "Occurrence of Nitrate and Herbicides in Ground Water in the Upper Conestoga	Confirmation updated on 9/26/88 by Tery Becker. This information was confirmed by David K. Fishel, United

Ref. Number	Full Reference	Comments
	River Basin, Pennsylvania", U.S. Geological Survey, Water Resources Investigations Report 85-4202, 1986.	States Geological Survey with a letter to Teresa M. Becker, USEPA, dated September 23, 1988.
PA002	Pionke, H.B., D.E. Glotfelty, A.D. Lucas, and J.B. Urban, "Pesticide Contamination of Ground Waters in the Mahantango Creek Watershed", U.S. Dept. of Agriculture, Agricultural Research Service, 1982.	This information was confirmed by Dwight E. Glotfelty, USDA, Agricultural Research Service with a letter to Terese M. Becker, USEPA, dated September 22, 1988.
PA003	Buchanan, J.W., W.C. Loper, W.P. Schaffastall, and R.A. Hainly, "Water Resources Data Pennsylvania Water Year 1983: Volume 2 - Susquehanna and Potomac River Basins", USGS Water Data Report PA-83-2, 1984.	This information is in WATSTORE, and for this reason the authors will not confirm it - for it is confirmed in WATSTORE.
PA004	Loper, W.C., T.E. Behrendt, W.P. Schaffstall, and R.A. Hainly,"Water Resources Data Pennsylvania Water Year 1984 Volume 2 - Susquehanna and Potomac River Basins", USGS Water Data Report PA-84-2, 1985.	This information is in WATSTORE, and for this reason the authors will not confirm - for it is all ready confirmed in WATSTORE.
PA005	Letter dated 7/27/87 to D. Mountfort, U.S. EPA from K. Stumpf, Ciba-Geigy Corporation.	
PA006	Carlson, Donald B. Letter to Frank L. Davido, from FMC Corporation, dated March 1, 1988.	
RI901	Letters dated 7/24/84 to Dante Ionata, Governor of Rhode Island from U.S. Department of the Interior, Geological Survey, Water Resources Division, Rhode Island. Letter dated 9/10/84 to C. Offutt, U.S. EPA/OPP/HED from U.S. Department of the Interior, Geological Survey, Water Resources Division, Rhode Island.	Study jointly with USGS and Rhode Island Water Resources Board in sand and gravel aquifer in Lower Wood River area of Washington Co. spurred by Long Island NY aldicarb contamination. This information was confirmed by David C. Dickerman, United States Geological Survey with a letter to Teresa M Becker, USEPA, dated September 1, 1988.
RI902	Rhode Island Department of Health, "Report of Private Well Testing Program for Pesticides", Office of Community Health Services/Health Engineering, 1985.	Transmitted via letter dated 3/19/85 to F.T. Sanders, U.S. EPA, from J.S. Lovell, Union Carbide Agricultural Products Co.
SC001	Achari, R.G., S.S. Sandhu, and W.J. Warren, "Chlorinated Hydrocarbon Residues in Ground Water", Bulletin of Environmental Contamination & Toxicology, Vol 13(1):94-96, 1975.	This information was confirmed by Shingara S. Sandhu, Claflin College, with a letter to Teresa M. Becker, USEPA, dated September 12, 1988.
SC002	Carter, G.E., M.B. Riley, "1,2-Dibromo-3-Chloropropane Residues in Water in South Carolina 1979-80". Pesticides Monitoring Journal. Vol. 15, No. 3, pp 139-142, Dec., 1981.	Authors with Dept. of Plant Pathology and Physiology, Clemson Univ. This information was confirmed by Melissa B. Riley, Clemson University with a letter to Teresa M. Becker, USEPA, dated September 7, 1988.

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SC901	Hegg, R.O.; Jones, R.L. and Romine, R.R. "Movement and Degradation of Aldicarb Residues in South Carolina Loamy Sand Soil" Submitted by Rhone Poulenc Ag. Company. Study competed on November 13, 1987.	Feild research study including: soil cores, lysimeters and shallow ground water monitoring wells; fallow and soybean plots tested; monitoring wells on fallow sites only.
SD001	Shade, D., "Pesticides Used in South Dakota Ground Water / Health Risks", prepared by Office of Water Quality, South Dakota Department of Water And Natural Resources, 1986.	No specific info on monitoring programs, only results on pesticides detected.
TN001	Personal correspondence to Mr. David Fege, U.S. EPA, from J.H. French, Regional Water Management Program, Tennessee Valley Authority, July 22, 1987.	
TX001	Burnett, E., R.W. Bovey, R.E. Meyer, and C.W. Richardson, "Effect of Tebuthiuron on the Quality of Ground Water in the Western Gulf Region", USDA, ARS and Texas Ag. Experment Station, 1977.	Contains addendum reports and correspondence on ground water positives.
TX002	Texas Department of Agriculture, "Investigation of Arsenic Contamination of Ground Water Occurring Near Knott, Texas," 1988.	Origins due to arsenic pesticides, cotton gin trash, and direct channelling due to poor well construction. This information was confirmed by Lea Aurelius, Texas Department of Agriculture through direct corespondences with W. Martin Williams, USEPA on October 14, 1988 and numerous telephone conversations.
TX003	"Grassroots, A Texas Department of Agriculture Publication," by TDA, Spring, 1988.	This information was confirmed by Lea Aurelius, Texas Department of Agriculture through corespondences with W. Martin Williams, USEPA, corespondences dated October 14, 1988.
US001	Jones, R.L., T.W. Hunt, F.A. Norris and C.F. Harden, "Thiodicarb Insecticide Field Research Studies on the Movement. Degradation of Thiodicarb and its Metabolite Methomyl", F6 No. A0242, Rhone-Poulenc Ag. Co., Research Triangle Park, NC, Feb. 22, 1988.	Field research sites. Submitted under FIFRA 10 (d) (1).
US002	Holden, Patrick, "Pesticides and Groundwater Quality Issues and Problems in Four States", prepared for the Board on Agriculture, National Research Council, National Academy of Sciences, National Academy Press, Washington, D.C. 124 pp. 1986.	Renamed US002 from NY001 on 10/9/88.
US900	Union Carbide, "Monitoring Aldicarb Residues in Soil and Water, 1980", Union Carbide Agricultural Products Company, Inc., Jacksonville, FL, 1981.	Contains information on key studies from Wisconsin, North and South Carolina, Maine, New York, Florida, Virginia, Washington, Oregon, Califorinia, Alabama, Arizona, and Texas during 1980; samples were analyzed by both Union

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		Carbide (UC) and the International Research and Development (IRD) Corporation. For statistical purposes, one sample/well/date will be assumed as the mean of the two samples ("not detected" assumed equal to 0), and a well/sample will be assumed positive if at least one of the samples is positive; min and max is also mean of the two samples; two major monitoring programs described: "soil and water sampling in areas of special interest" and "water sampling in high-use counties".
US901	Union Carbide, "Monitoring Aldicarb Residues in Soil and Water", Union Carbide Agricultural Products Company,Inc., Research Triangle Park, North Carolina, 1982.	Contains information on key studies in New York, Wisconsin, Florida, Virgina, North Carolina, Maine, and Georgia. Continuation of "soil and water sampling in areas of special interest" studies of UC's 1981 report of same name; also contiues "water sampling in high-use counties" program of 1981, but at different states and wells.
US902	Bostian, A.L., and R.L. Jones, "TEMIK Brand Aldicarb Pesticide Limited Drinking Water Well Survey", Rhone-Poulenc Ag Company, Research Triangle Park, NC, March 1, 1988.	Submitted uder data requirement guideline 164-1. No confidentiality claim under Section 10(d)(1)(A),(B),(C). Survey was to confirm classification of areas of "low risk".
VA001	Letter dated 9/14/79 to A.L. Allen, Sussex County Health Department from M.R. Shepard, Department of Health, Commonwealth of Virginia.	Describes findings of Dowicide 70E (80% AI is DBCP). This data has not been confirmed because responsible parties not found.
VA002	Goodell, Grant H. The Effects of Agricultural Chemicals on Ground Water Quality in the Northern Shenandoah Valley, Virginia. University of Virginia.	
VT001	Personnal communication dated 12/23/87 to M. Lorber, U.S. EPA/OPP/HED from J. Comstock, Vermont Dept. of Agriculture.	Superceded by VT002.
VT002	Personal communication dated 8/12/88 to W.M. Williams, U.S.EPA/OPP from J. Comstock, Vermont Dept. of Agriculture.	Supercedes information in VT001.
WA001	Washington State Department of Social & Health Services, "Results and Implications of the Investigation of Ethylene Dibromide in Ground Water in Western Washington", prepared by the Water Supply and Waste Section, February 1986.	
WI001	Note dated 12/10/82 to Ed Johnson, U.S. EPA/OPP from A. Barton, U.S. EPA/OPP.	Summarizes joint effort between EPA/OPP and Wisconsin Department of Natural Resources.
WI002	Note dated 12/14/84 to C. Berry (affiliation	Note and attachments describe DNR's monitoring program for

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	unspecified) from G. Becker, Wisconsin Department of Natural Resources.	pesticides. Wells described as "private wells" which were "most susceptible to contamination- wells which were close to known pollution sources, wells near industrial developments and areas where sandy soil would let pollutants rapidly percolate to shallow water tables". For this reason, results are qualified as "suspected point sources".
WI003	Postle, J.K., "Ground Water Monitoring Project for Pesticides", a progress report submitted by the Department of Agriculture, Trade and Consumer Protection to the Department of Natural Resources, 1987.	Contains detailed info on retrospective field sites evaluating normal use practices for aldicarb, alachlor, metribuzin, atrazine, metolachlor, and others. This information was confirmed by Jeff Postle, Wisconsin Department of Agriculture through direct corespondences with W. Martin Williams, USEPA during November 1988.
WI004	Letter dated 03/26/87 to Richard Mountfort, U.S. EPA/OPP/HED from Karen Stumpf, CIBA-GEIGY Corporation, Greensboro, North Carolina.	Describes point source contamination at the IMC Rainbow Farm Center in Edmund, Wisconsin. 7 volumes submitted: 1) cover letter, 2) metolachlor soil samples, 3) metolachlor water samples, 4) simazine soil samples, 5) simazine ground water, 6) atrazine soil samples, and 7) atrazine ground water. This information was confirmed by Karen S. Stumpf, at CIBA-GEIGY, with a letter to Teresa Becker, USEPA, dated October 24, 1988. CIBA-GEIGY requested that we do not use this data in our data base because it is from a contaminated site.
WI005	Letter dated 3/25/87 to R.F. Mountfort and R.J. Taylor, U.S. EPA/OPP from K. Stumpf, CIBA-GEIGY Corporation, Greensboro, North Carolina.	Describes findings of atrazine and metolachlor in private drinking wells in Wisconsin. Wells near Green Bay reported to CIBA-GEIGY from Wisconsin Department of Health and Social Services.
WI006	Personal communication dated July 23, 1987, to M. Lorber, U.S. EPA/OPP, from K. Kestler, Wisconsin Department of Natural Resources.	Details Wisconsin DNR's sampling for alachlor since 1983. Almost all sampling was for "point source investigations". Current as of 7/87.
WI007	Letter dated 2/3/88 to R. Mountfort, U.S.EPA/OPP/RD from Karen Stumpf, CIBA-GEIGY Corporation, Agricultural Division, Greensboro, North Carolina.	
WI901	Wisconsin Department of Natural Resources, summary of data collected and analyzed by WDNR and Portage County Dept. of Health on aldiarb content of domestic wells in Wisconsin, 7/31/85.	Data supplied by Union Carbide Agricultural Company.
WI902	Letter dated 6/11/84 to M. Branagan, U.S.EPA/OPP/RD from J.M. Harkin, Environmental Toxicology Center, University of Wisconsin, Madison, Wisconsin.	Monitoring results frm 9 experimental fields in the Central Sands Region of Wisconsin.

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WI903	Letter dated 11/26/85 to M. Lorber, U.S.EPA/OPP/HED from F.A. Jones, Wisconsin Department of Agriculture, Trade, and Consumer Protection.	Describes "moratorium" areas where aldicarb use is disallowed. Areas are 1-mile radii around wells found to contain alidarb in excess of 10 ppb (except 1982 where criteria was 1 ppb).
WI904	Rhone Poulenc Ag. Company "Analysis of Aldicarb Residues: Second Quarter Wisconsin Sampling" Submitted by Rhone Poulenc Ag. Company. 1988.	Addandum to WI901; continuation of data collected by Wisconsin Department of Natural Resources for private drinking water wells.
WI905	Wyman, J.A.; Jones, R.L.; Medina, J.; Curwen, D. and Hansen, J.L. "Environmental Fate Studies of Aldicarb and Aldoxycarb Application to Wisconsin Potatoes" Journal of Contaminant Hydrology, 2:61-72. 1987.	Three treatments: 3.36 kg/ha at planting; 2.24 kg/ha at emergence and 3.36 of aldoxycarb at planting.